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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES (1957). REGION VI. IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA, NORTH DAKOTA, SOUTH DAKOTA

Public Health Service
Washington, D.C.

1958

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1957 INVENTORY

MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

VOLUME 6

Region VI - Iowa, Kansas, Minnesota, Missouri, Nebraska,
North Dakota, South Dakota

1798

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Bureau of State Services
Division of Sanitary Engineering Services
Water Supply and Water Pollution Control Program
Washington 25, D. C.

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For administrative purposes, the Department of Health, Education, and Welfare divides the States of the Nation into nine regional groupings. The 1957 INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES is published as a series of nine volumes--a separate publication for each region as shown below:

Region I - PHS Publication No. 622 - Volume 1
Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

Region II - PHS Publication No. 622 - Volume 2
Delaware, New Jersey, New York, Pennsylvania

Region III - PHS Publication No. 622 - Volume 3
District of Columbia, Kentucky, Maryland, North Carolina, Virginia, West Virginia

Region IV - PHS Publication No. 622 - Volume 4
Alabama, Florida, Georgia, Mississippi, South Carolina, Tennessee

Region V - PHS Publication No. 622 - Volume 5
Illinois, Indiana, Michigan, Ohio, Wisconsin

Region VI - PHS Publication No. 622 - Volume 6
Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota

Region VII - PHS Publication No. 622 - Volume 7
Arkansas, Louisiana, New Mexico, Oklahoma, Texas

Region VIII - PHS Publication No. 622 - Volume 8
Colorado, Idaho, Montana, Utah, Wyoming

Region IX - PHS Publication No. 622 - Volume 9
Arizona, California, Nevada, Oregon, Washington, Alaska, Hawaii

Public Health Service Publication No. 622

Volume 6

1958

FOREWORD

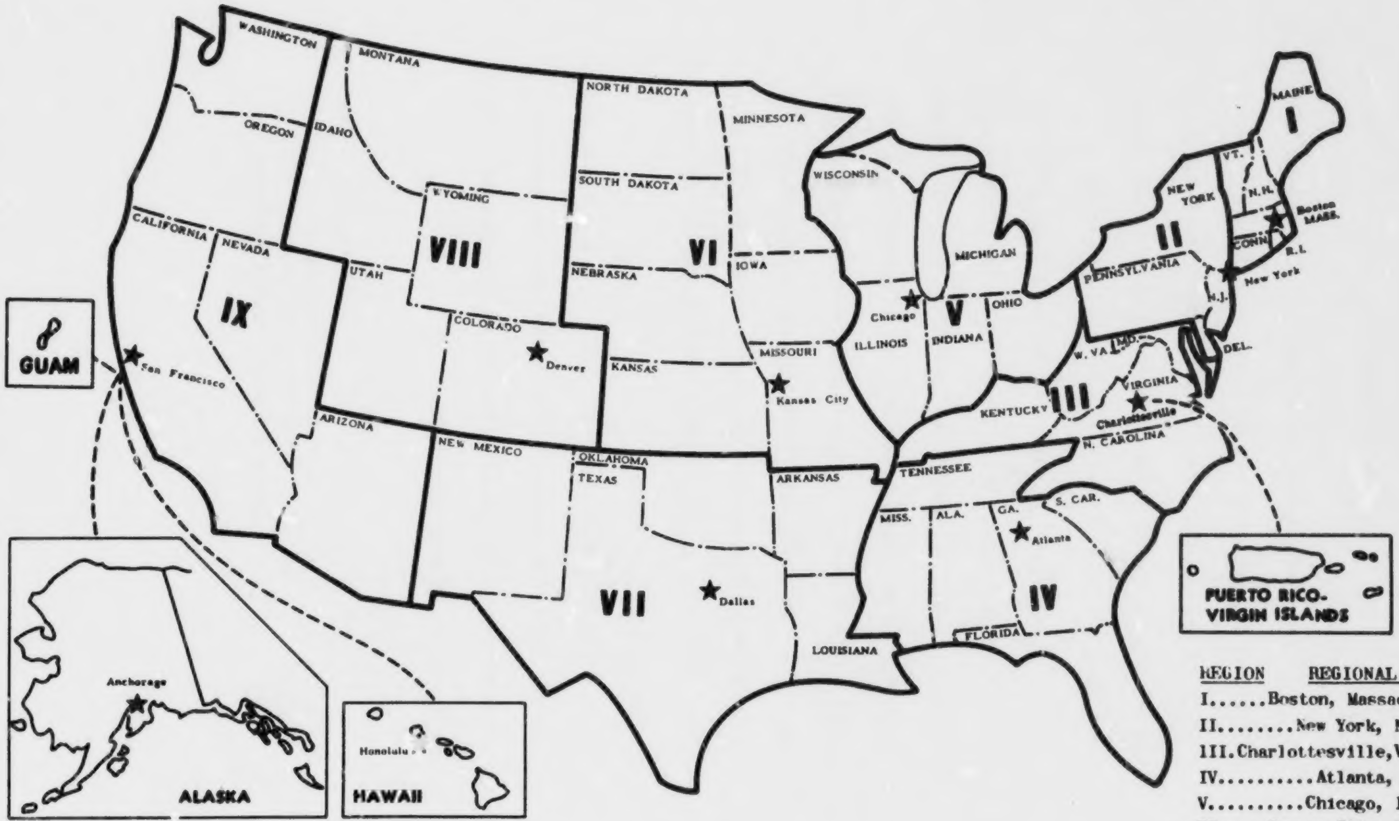
Water is a basic need of man --- for survival, for economic development, and for social well-being. In recognition of the fact that polluted water cannot meet this need, the Congress and the State legislatures have enacted laws to protect the quality of the Nation's water resources.

Fundamental to effective programs of pollution prevention and abatement is knowledge of what facilities we have to control pollution, what these facilities are accomplishing, and what more needs to be done. For almost 20 years the Public Health Service, with the cooperation of various State agencies, has collected, analyzed, and published data on sewage disposal systems. This latest Inventory (1957) contains such data, together with some information on industrial wastes.

The active cooperation of the State water pollution control agencies in collecting these data is gratefully acknowledged. Without their assistance, completion of this task would have been impossible.

G. E. McCallum

G. E. McCallum
Chief, Water Supply and
Water Pollution Control Program



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REGION	REGIONAL OFFICE
I	Boston, Massachusetts
II	New York, New York
III	Charlottesville, Virginia
IV	Atlanta, Georgia
V	Chicago, Illinois
VI	Kansas City, Missouri
VII	Dallas, Texas
VIII	Denver, Colorado
IX	San Francisco, California

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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NOTES REGARDING TABULATIONS

>The seven state area includes: Iowa, Kansas, Minnesota, Nebraska, North Dakota and South Dakota;

GENERAL

>The This Inventory contains the latest available data for all sources of pollution, both municipal and industrial, which are of significance in water pollution control programs.

Each individual item listed in column 1 is defined as an "entry".

In the listings, each non-community entry is referred to the nearest community, whenever possible. Entries appear in alphabetical order according to community. Entries listed under the same community are alphabetized by name, under that community.

Following the listing for each State there is a table showing those sewage disposal facilities which serve more than one of the entries, together with the names of all entries which are served by the particular facility.

An "x" in the listings indicates that the data called for are not available. A dash "-" signifies that the data called for do not apply to the entry. An asterisk "*" indicates that a "Remark" is entered in column 16.

COLUMN (1) COMMUNITY, SEWER OR SANITARY DISTRICT, INSTITUTION OR INDUSTRY

Entries marked with a star " ☆ " are disposal facilities which serve one or more additional entries.

The following abbreviations are used.

Auth.	- Authority
Co.	- County, Company
Col.	- College
Comm.	- Commission
D. or Dist.	- District
D. R.	- Dude Ranch
Est.	- Estate
Fed. Hous. Proj.	- Federal Housing Project
F. H. A.	- Federal Housing Administration
Hosp.	- Hospital
Hts.	- Heights
Ind. Res.	- Indian Reservation
Inst.	- Institute, Institution
Jct.	- Junction
Mon.	- Monument
M. U. D.	- Municipal Utility District
M. V.	- Mill Village
Nat.	- National
Penit.	- Penitentiary
P. C.	- Permanent Camp (Recreation, Forest, or other)
Pk.	- Park
P. H. A. or F. P. H. A.	- Public Housing Administration
P. U. D.	- Public Utility District
San.	- Sanatorium, Sanitarium
Sch.	- School
S. D.	- Sanitary, Sanitation or Sewer District
Sec.	- Section
S. M. D.	- Sewer Maintenance District
Sta.	- Station
(T), To., Twp.	- Town or Township
Univ.	- University

COLUMN (2) 1950 POPULATION, ESTIMATED POPULATION, NUMBER OF PLANT EMPLOYEES

Top-line Entries

For communities, a top-line entry shows the 1950 population, as reported by the U. S. Bureau of the Census.

For industries a top-line entry denotes the average number of plant employees during a 24-hour period. Seasonal operation is indicated by an "S" following this figure.

Bottom-line Entries

For communities or institutions, estimated population figures (when a reliable estimate is available) are entered on the bottom line, and followed by the last digit of the year of estimate. Thus an entry of 2,500-2 indicates an estimated population of 2,500 in 1952.

COLUMN (3) ESTIMATED POPULATION SERVED

The figure appearing indicates the estimated total number of people served by the facilities. A figure shown in parentheses indicates that the entry is served by the facilities of another entry (the latter being indicated in column 7). The population shown in parentheses is included in that listed under the serving entry.

COLUMN (4) TYPE SEWER SYSTEM INDUSTRIAL GROUP WASTE CLASSIFICATION

Top-line Entries

For communities, sewer or sanitary districts, and institutions, the type sewer system is coded as follows:

S - Separate	(designed to carry domestic sewage and industrial waste separately from storm water runoff)
C - Combined	(designed to carry domestic sewage, industrial waste, and storm water runoff in the same sewer)

For industries, the Major Industrial Group is shown by number. See Appendix A for code.

Bottom-line Entries

For industries only. The waste classification within the Major Industrial Group is designated by a letter. See Appendix A for code.

COLUMN (5) AVERAGE DAILY FLOW (MGD)

The actual waste flow for the entry. Entered on top line.

For industries the following code letters are entered on the bottom line:

C - Cooling Water

P - Process Wastes

CP - Combined flow of cooling water and process wastes

An "E" following the flow figure indicates that the flow has been estimated.

COLUMN (6) DESIGNED FOR

Top-line Entry - PE (1,000's) - The population equivalent, in thousands, for which the facilities were designed.

Bottom-line Entry - Average Daily Flow (MGD) - The flow for which the facilities were designed.

COLUMN (7) TREATMENT

The principal treatment devices and methods are identified by capitalized letters and are further described by subsequent lower case letters. In addition, numbers are used to describe certain types of industrial waste treatment.

In general, the symbols are arranged in the order of sewage flow with sludge treatment symbols following thereafter. Combination units performing more than one function in a single structure are denoted by enclosing the appropriate symbols in parentheses. Enclosures in brackets indicate parallel or alternate operation. Chlorination, where used, is usually noted only once for each plant regardless of whether actual application is made at more than one point.

See Appendix B for code.

COLUMN (8) DISCHARGE TO

The watercourse or land area to which the untreated wastes or treatment plant effluent is discharged.

The following abbreviations are used.

Ar.	- Arroyo
Br.	- Branch, Brook
Ca.	- Canal
Cr.	- Creek
E.	- East
Fk.	- Fork
L.	- Lake
Ld.	- Land
Lt.	- Little
N.	- North
Pd.	- Pond
R.	- River
S.	- South
Str.	- Stream
Trib.	- Tributary
W.	- West
Wa.	- Wash

COLUMN (9) DRAINAGE BASIN: SUB-BASIN

Top-line Entries - The drainage basin in which the entry is located. See Appendix C for code.

Bottom-line Entries - The sub-basin in which the entry is located. See Appendix C for code.

COLUMN (10) WATERCOURSE MILEAGE

For entries discharging either raw or treated sewage into a river system, watercourse mileages are entered in accordance with the coding system shown in Appendix D.

The column does not apply to entries discharging onto land or into lakes or an ocean. When data appears in this column for such entries, its only purpose is to locate the entry.

COLUMN (11) POPULATION EQUIVALENT (BOD)

Top-line Entries - The Population Equivalent (BOD) of the untreated waste is entered on the top line, and followed by an "E" if estimated.

Bottom-line Entries - The Population Equivalent (BOD) of the treated waste, as discharged to the receiving area, is entered on the bottom line. If estimated, an "E" is added.

Note: When waste discharge is not into a body of water, but is rather onto land or into lagoons from which there is no overflow, the bottom line entry in this column may be shown in one of two ways:

> Some States enter a figure showing the PE (BOD) of the wastes as they are discharged into these land areas or lagoons. Other States enter an "O" to indicate that no waste reaches a watercourse. In both cases exactly the same situation exists physically, only the method of describing it differs.

COLUMN (12) and (13) STREAM FLOW FOR DESIGN

These columns are intended to furnish an indication of the most important flow characteristics of the receiving stream which are taken into account, even if only in a general way, in connection with pollution abatement activities.

Column 12 shows the minimum stream flow. In column 13 appears the duration of this flow (top-line entry) and its frequency (bottom-line entry).

In the case of streams which run dry during certain periods the entry in column 12 will be zero.

COLUMN (14) POLLUTION ABATEMENT NEEDS

Symbol	Need	Explanatory Notes
0	New treatment facilities	This symbol indicates the need for a new plant when a "None" appears in column 7. For industries this symbol may alternatively indicate the need for other pollution control measures* when a "None" appears in column 7. (Compare the use of this symbol with use of symbol "4" below).
1	Enlargement of existing facilities	This symbol indicates a need for enlargement of the existing treatment plant shown in column 7. For example, addition of another filter to a trickling filter plant. For industries this symbol may alternatively indicate the need for expansion of other pollution control measures* which are shown in column 7. When this symbol is used it indicates that the degree of treatment or the type of pollution control measures in use are considered to be adequate.
2	Addition of other treatment methods to existing facilities	This symbol indicates a need for addition of other treatment methods to the treatment plant shown in column 7. For example, the addition of trickling filters to a primary treatment plant. For industries this symbol may alternatively indicate the need for additional types of other pollution control measures* besides those shown in column 7. When this symbol is used the degree of treatment or the type of pollution control measures in use are not considered to be adequate without supplementation.
3	Chlorination	This is a specific requirement coming under symbol "2" above. It may be used either in conjunction with that symbol (as when chlorination plus other additions are needed), or in place of it (as when chlorination only is needed).

4	Replacement of existing plant	This symbol indicates a need for replacement of the existing treatment plant shown in column 7. For industries this symbol may alternatively indicate the need for replacement of the other pollution control measures* which are shown in column 7. "Replacement" means that the plant or pollution control measures replaced will no longer be used. It is possible that this replacement may be by a plant or by pollution control measures providing the same degree of treatment as those which are replaced. This symbol provides for recognition of the fact that pollution reduction has been provided for, but that due to obsolesence, or for any other reason, the existing facilities are no longer capable of producing satisfactory results.
5	Improved operation or utilization of existing facilities	
6	Connection to adequate existing sewer system	
7	No project needed	

*The term "Other Pollution Control Measures" includes all actions taken to reduce, eliminate, or prevent the discharge of industrial wastes, when such actions cannot be classified as provision of a "treatment plant" in the commonly understood sense of the term.

Typical examples of such measures are: burning or otherwise disposing of sawdust by a sawmill so as to prevent its entry into the stream; general good housekeeping practices by industry; use of oil separators and drip pans by an oil refinery; institution of wastes recovery or by-products processes which eliminate or reduce industrial wastes.

COLUMN (15) DOWNSTREAM WATER USE

Shown in this column are primary existing water uses (entered on top line), together with those anticipated in the foreseeable future (entered on bottom line), within the area affected by the wastes discharged.

The following code is used:

A - Source of domestic water supply
B - Source of industrial water supply
C - Livestock water supply
D - Irrigation water supply
E - Commercial fishing
F - Game fishing
G - Shellfish
H - Wildlife
I - Bathing
J - Other recreation
K - Navigation
L - Waste transportation
N - Nuisance conditions exist

Capital letters indicate those uses for which the stream is at present satisfactory. Lowercase letters indicate those uses for which the stream is at present unsatisfactory. In some cases, no indication has been given as to whether or not the stream is satisfactory or unsatisfactory for the uses shown. Such cases are indicated by a notation in the "Remarks" column.

COLUMN (16) REMARKS

Any pertinent remarks relating to the entry appear in this column.

APPENDIX A

Major Industrial Groups and Waste Classification Groups

This appendix defines the major industrial groups with which the inventory is concerned. Description of each group follows, in general, that given in the Standard Industrial Classification Manual, Vols. I and II, Bureau of the Budget, November 1945. Certain modifications of some groups have been made. Such modifications are shown in the following table.

Major Group Number Given in This Appendix	Major Group Number Given in Std. Industrial Classification Manual
Non-manufacturing Industries	
10	Includes 10
11	" 11, 12

Appendix A (Cont'd.)

Major Group Number Given in This Appendix		Non-manufacturing Industries (cont'd.)
13	Includes	13
14	"	14
		Manufacturing Industries
20	Includes	20
22	"	22
24	"	24, 25
26	"	26
28	"	28 (except industry 2824, synthetic rubber)
29	"	29 (and industry 4925)
30	"	30 (and industry 2824 from group 28)
31	"	31
33	"	33
34	"	19, 34, 35, 36, 37
39	"	21, 23, 27, 32, 38, 39

A breakdown has been made for each group for waste classification purposes.

NON-MANUFACTURING INDUSTRIES

Major Group Number — Description of Group

10 Metal Mining

Includes establishments primarily engaged in mining, developing mines, or exploring for metallic minerals (ores). These ores are valued chiefly for the metals contained to be recovered for use as such or as constituents of alloys. In addition, ores of rare-earth metals and titanium are included. This major group also includes all ore dressing and beneficiating operations whether performed at mills operating in conjunction with the mines served or at mills, such as custom mills, operated separately. These include mills which crush, grind, wash, dry, sinter, or leach ore, or perform gravity separation or flotation operations.

A - Ore dressing

11 Anthracite, Bituminous Coal, and Lignite Mining

Includes establishments primarily engaged in producing anthracite (hard coal), bituminous coal or lignite. Mining operations, dredging operations, and preparation plants, such as cleaning plants, breakers, and washeries, whether or not such plants are operated in conjunction with the mines served, are included.

Appendix A (Cont'd.)

Major Group Number — Description of Group

11 (cont.) Anthracite, Bituminous Coal, and Lignite Mining (cont.)

A - Coal Washing
B - Acid Mine Drainage

13 Crude Petroleum and Natural Gas Extraction

Includes establishments primarily engaged in producing crude petroleum, natural gas, natural gasolene, and cycle condensate. Types of activities included are exploration, drilling, well operation and maintenance, and the operation of natural gasolene and cycle plants. The group includes emulsion breaking and desilting of crude petroleum performed to render the oil marketable.

A - Oil field brines
B - Petroleum

14 Mining and Quarrying of Nonmetallic Minerals, Except Fuels

Includes establishments primarily engaged in mining or quarrying, developing mines, or exploring for nonmetallic minerals, except fuels.

MANUFACTURING INDUSTRIES

20 Food and Kindred Products

Includes establishments manufacturing foods and beverages for human consumption, and certain related products such as manufactured ice, chewing gum, and prepared feeds for animals and fowls.

A - Sugar refining, beet or cane
B - Canning, dehydrating, or freezing fruits
C - Canning, dehydrating, or freezing vegetables
D - Canning and curing fish and other sea foods
E - Slaughtering

Major Group Number — **Description of Group**

20 (contd.) **Food and Kindred Products**

- F - Meat Packing
- G - Poultry killing and cleaning
- H - Milk receiving and/or bottling
- I - Cheese factory
- J - Milk condensery and/or dry milk plant
- K - Ice cream plant
- L - Creamery
- M - Malt liquor manufacture
- N - Winery
- O - Distillery
- P - Rendering plant
- Q - Vegetable oil manufacture
- R - Miscellaneous

22 **Textile Mill Products**

Includes establishments engaged in performing any of the following operations, regardless of the type of fiber used: (1) manufacturing yarn, thread, cordage, and twine; (2) manufacturing woven fabric, carpets and rugs, braids, laces, knit fabric, knit garments, and other products from yarn; (3) dyeing and finishing fibers, yarn, and fabric, and (4) coating, waterproofing, and otherwise treating fabric. Includes establishments engaged in manufacturing felt fabrics and products.

- A - Wool
- B - Cotton
- C - Silk
- D - Synthetics
- E - Fur and Hair
- F - Other materials
- G - Scouring (includes all types of cleansing of raw materials)
- H - Bleaching
- I - Dyeing
- J - Finishing
- K - Miscellaneous processes

24 **Lumber and Wood Products**

Includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, veneer mills, lath mills, shingle mills, cooperage-stock mills, planing mills, and plywood mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. Includes furniture.

Major Group Number — **Description of Group**

24 (cont.) **Lumber and Wood Products** (cont.)

26 **Paper and Allied Products**

Includes the manufacture of pulp primarily from wood, and from rags and other fibers; the conversion of these pulps into any kind of paper or paperboard; and the manufacture of paper and paperboard into converted paper products such as coated paper, paper bags, paper boxes, cards and envelopes.

- A - Sulphite pulp
- B - Sulphate pulp
- C - Groundwood pulp
- D - Rag Pulp
- E - Jute or hemp paper stock
- F - Reclaimed paper (includes de-inking)
- G - Paper Mill
- H - Paperboard mill
- I - Miscellaneous

28 **Chemicals and Allied Products**

Includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Includes manufacture of photographic chemicals. Establishments classified in this major group manufacture three general classes of products:

- A - Basic chemicals such as acids, alkalies, salts and organic chemicals
- B - Chemical products, to be used in further manufacture such as synthetic fibers, plastics materials, crude animal and vegetable oils, dry colors, and pigments;
- C - Finished chemical products to be used for ultimate consumption such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries such as paints, fertilizers, and explosives.

Major Group Number	Description of Group

29 Products of Petroleum and Coal

Includes establishments refining crude petroleum and manufacturing coke and coke-oven products, paving and roofing materials, and other products made from petroleum and coal. Includes establishments manufacturing and distributing gas to consumers.

A - Crude Petroleum Refining
B - By-product coke plants
C - Gas plants
D - Light oil refining
E - Miscellaneous

30 Rubber and Rubber Products

Includes establishments refining natural rubber or manufacturing synthetic rubber. Includes establishments manufacturing from natural or synthetic rubber, gutta percha, balata, or gutta siak, all kinds of rubber products such as tires, rubber footwear, mechanical rubber goods, and rubber sundries. This group also includes establishments manufacturing reclaimed rubber or rebuilt and retreated rubber tires.

A - Natural rubber
B - Synthetic rubber

31 Leather and Leather Products

Includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials.

A - Tanning (includes Beamhouse)
B - Dyeing and Finishing
C - Miscellaneous

33 Primary Metal Industries

Includes establishments engaged in the smelting and refining of ferrous and non-ferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and non-ferrous metals; and in the manufacture of castings, forgings, and other basic products of ferrous and non-ferrous metals.

Major Group Number	Description of Group

33 (cont.) Primary Metal Industries (cont.)

A - Ferrous
B - Non-Ferrous
C - Blast Furnace
D - Smelting
E - Rolling Mills

34 Fabricated Metal Products

Includes establishments engaged in fabricating ferrous and non-ferrous metal products such as tin cans and other tinware, hand tools, cutlery, general hardware, non-electric heating apparatus, fabricated structural metal products, metal stampings, lighting fixtures, fabricated wire products, and a variety of metal products not elsewhere classified. (Includes ordnance, machinery, and transportation equipment).

A - Ferrous
B - Non-Ferrous
C - Plating
D - Pickling
E - Painting, or other methods of preservation
F - Heat Treatment
G - Cutting and lubricating oils
H - Rolling mills
I - Miscellaneous

39 Miscellaneous Manufacturing Industries

Includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group.

APPENDIX B

Treatment Code

The principal treatment devices and methods are identified by capital letters and are further described by subsequent lower case letters. In general, the symbols will be arranged in the order of sewage flow, with sludge treatment symbols following thereafter. Combination units performing more than one function in a single structure are denoted by enclosing the appropriate symbols in parentheses. Enclosures in brackets indicate parallel or alternate operation. Chlorination, where used is noted only once for each plant, regardless whether or not actual application is made at more than one point.

KEY TO SYMBOLS

A -----Aeration
  Aa ---Activated sludge, diffused air aeration
  Ac ---Contact aerators
  Am --Activated sludge, mechanical aeration
  Ap---Aeration, plain, without sludge return
B -----Sludge beds
  Bo---Open
  Bc ---Glass covered
C -----Settling tanks
  Ci ---two story (Imhoff)
  Cm --mechanically equipped
  Cp---plain, hopper bottom or intermittently drained for cleaning
  Cs ---septic tank
  Ct ---multiple tray, mechanically equipped
D -----Digester, separate sludge
  Dc ---with cover (fixed if not otherwise specified)
  D(cg)-gasometer in fixed cover
  De---gas used in engines (heat usually recovered)
  Df ---with floating cover
  Dg ---with gasometer cover
  Dh ---gas used in heating
  Dm --stirring mechanism
  Do---open top
  Dp---unheated
  Dr ---heated
  Ds ---gas storage in separate holder
  Dt ---stage digestion
E -----Chlorination
  Ec ---with contact tank
  Eg ---by chlorine gas
  Eh ---by hypochlorite
F -----Filters
  Fc ---contact beds
  Fm --magnetite (straining)
  Fo---roughing filters
  Fr---rapid sand or other sand straining
  Fs---intermittent sand
  Ft ---trickling (no further details)
  Fth --high capacity
  Ftlh--high capacity, single stage
  Ft2h -high capacity, two stage
  Ftn --fixed nozzle, standard capacity
  Ftr --rotary distributor, standard capacity
  Ftt---traveling distributor, standard capacity
G -----Grit chambers
  Gh---without continuous removal mechanism
  Gm --with continuous removal mechanism
  Gp---grit pocket at screen chamber
  Gw---separate grit washing device
H -----Sludge storage tanks (not second stage digestion units)
  Hc---covered

  Hm --with stirring or concentrating mechanism
  Ho---open
I------Sewage application to land
  Ic----with cropping
  Ip----percolation beds
  Is----sub-surface application
  Iu----land underdrained
K -----Chemical treatment - Flocculation. Chemical treatment-type units or equipment not necessarily complete or operated as chemical treatment
  Ka ---flocculation tank, air agitation
  Kc ---chemicals used
  Km --flocculation tank, mechanical agitation
  Kx ---no chemicals used
L -----Lagoons
  Le ---evaporation lagoons
  Lo ---oxidation lagoons or ponds
  Lp ---lagoon for settling of sewage
  Ls ---sludge lagoons - not for treatment of sewage
O -----Grease removal or skimming tanks - not incidental to settling tanks
  Oa ---aerated tank (diffused air)
  Om --mechanically equipped tank
S------Screens
  Sc ---comminutor (screenings ground in sewage stream)
  Si----intermediate screens (1/8" to 1/2" openings)
  Sf----fine screen (less than 1/8" openings)
  Sg ---screenings ground in separate grinder and returned to sewage flow
  Sh ---bar rack (1"2" to 2" openings) hand cleaned
  Sm---bar rack (1/2" to 2" openings) mechanically cleaned
  Sr ---coarse rank (openings over 2")
  St----garbage ground at plant and added to sewage flow
T -----Sludge thickener
  Tc---covered
  Tm --stirring mechanism
  To---open top
V -----Mechanical sludge dewatering
  Vc ---sludge centrifuge
  Vv ---rotary vacuum filter
  Vo---other
X -----Sludge disposal
  Xb---barged to sea
  Xd---used for fertilizer
  Xf ---burned for fuel
  Xn---incinerated
  Xp---used for fill
Z -----Sludge conditioning
  Za ---chemicals used, alum
  Zc ---chemicals used (unidentified)
  Zi ---chemicals used, iron salt
  Zl ---chemicals used, lime
  Zx ---no chemicals used
  Zy---elutriation

Industrial Waste Treatment Operations and Processes

Due to the many types of industrial wastes produced and the corresponding diversity of equipment and functional units employed in their treatment a complete and detailed code of such equipment and units was not developed for this inventory. Industrial waste treatment operations or processes have been coded, instead of the devices in which or by which such operations or processes are carried out. This procedure eliminates much detail and revision in the code developed, and in addition provides for a broader application of the code, since an operation or process may remain the same, while the unit in which it is performed may change, or may even differ in different industries.

The following numerical coding is used for the description of those situations in which the treatment of industrial wastes cannot be satisfactorily or fully described by use of the foregoing symbols alone. The preceding letter symbols and the following numerical coding are used in combination when necessary, although either may be used alone.

1. Centrifugation

Defn. Separation of solids and fluids of different densities or separation of the nature of filtration in an apparatus rotating at high speed.

Ex. Separation of wool grease from acid cracked wool scouring liquor in a centrifuge.

2. Distillation and Stripping

Defn. Distillation is a separation of volatile liquids by utilizing the differences in their volatilities. Stripping is a separation of a volatile material from a less volatile or non-volatile liquid with the aid of a stream of air or other gas.

Ex. Kopper's process for distilling phenol from ammonia-still liquor.

3. Emulsion Breaking

Defn. Separation of two liquids in colloidal suspension.

Ex. Passing oil in water of waste emulsion from the treatment of light and lubricating oils between electrodes to charge the particles and cause separation.

4. Evaporation

Defn. Volatilization of water or other material from nonvolatile residue.

Ex. Concentration of Steffens waste from beet sugar manufacture in multiple effect evaporators.

5. Extraction

Defn. Transferral of a constituent of a solid or liquid to another liquid (the solvent)

Ex. Extraction of phenol from ammoniacal liquor with benzene.

6. Filtration

Defn. Separation of a heterogeneous mixture of a fluid and particles of solid by a filter medium which permits the flow of a fluid but retains the particles of solid.

Ex. Use of save-alls for the removal of fiber from white water in the pulp and paper industry. Filter presses for removal of lanolin from wool scouring wastes.

7. Flotation

Defn. Separation of a material by floating at or on the surface of a liquid.

Ex. Flotation save-alls for removal of fiber and other suspended solids from white water.

8. Neutralization

Defn. Addition of acids or bases to basic or acidic material so that it is no longer acidic or basic, to get a pH value of about 7.0.

Ex. Neutralization of acid wastes resulting from the manufacture of nitrocellulose with dolomitic lime.

9. Oxidation - Chemical

Defn. Changing an element from a lower to a higher positive valance by chemical action.

Ex. Chlorination of cyanides in alkaline solution.

10. **Regulated Discharge**

Defn. The procedure or actions involved in artificially controlling the flow of liquid wastes so that their discharge at a specific time or times will serve a specified purpose or objective.

Ex. Lagooning of cannery wastes, with discharge to the stream in small volumes over long periods of time when temperatures are low and stream flows high.

11. **Waste Prevention Measures**

In general, good housekeeping. Definite good housekeeping practices taken by industry to prevent waste materials resulting from industrial operations from entering the sewers.

If the industry concerned is not sewered, this group includes all good housekeeping practices taken to keep waste materials from entering a watercourse.

This group does not refer to any measures otherwise considered as being treatment in these codes. (For instance, lagooning or screening).

Ex. Collection of blood and paunch manure. Burning or otherwise disposing of sawdust.

APPENDIX C

LIST OF BASINS AND SUB-BASINS

NE - Northeast

1 Quinnipiac River & Western Connecticut Coastal
2 Housatonic River
3 Pawcatuck River and Eastern Connecticut Coastal
4 Connecticut River
5 Thames River
6 Narragansett Bay
8 Massachusetts Coastal
9 Merrimac River
10 Piscataqua River and New Hampshire Coastal
12 Saco River and South Maine Coastal
14 Presumpscot River and Casco Bay
15 Androscoggin River
16 Kennebec and Sheepscot River
17 Penobscot River
18 North Maine Coastal

19 St. Croix River
20 St. Johns River
21 Lake Memphremagog
24 Lake Champlain
25 St. Lawrence
26 Lake Ontario
27 Lake Erie-Niagara
28 Genesee River
29 Oswego River
30 Mohawk River
31 Upper Hudson
32 Lower Hudson

NA - North Atlantic

1 New Jersey-New York Metropolitan Area
2 New Jersey Coast
3 Delaware River Basin - Zone 1
4 Delaware River Basin - Lehigh
5 Delaware River Basin - Schuylkill
6 Delaware River Basin - Zone 2
7 Delaware River Basin - Zone 3
8 Delaware River Basin - Zone 4
9 Susquehanna River Basin - North Branch
10 Susquehanna River Basin - West Branch
11 Susquehanna River Basin - Juniata
12 Susquehanna River Basin - Main Stem
13 Upper Chesapeake Bay and Maryland Delaware Coast
14 Potomac River Basin
15 Rappahannock and York River Basins - Virginia Coast
16 James River Basin

SE - Southeast

1 Chowan River Basin
2 Roanoke River Basin
3 Tar River Basin
4 Neuse River Basin
5 North Carolina Coastal Area
6 Cape Fear River Basin
7 Yadkin-Pee Dee River Basin
8 Pee Dee River Basin
9 Catawba-Wateree River Basin
10 Congaree River Basin
11 Santee-Cooper River Basin
12 Edisto-Combahee River Basin
13 Savannah River Basin
14 Ogeechee River Basin
15 Ocomee River Basin
16 Ocmulgee River Basin
17 Altamaha River Basin
18 Satilla River Basin
19 St. Marys-Nassau River Basin
20 St. Johns River Basin
21 Suwanee River Basin
22 Ochlockonee-St. Marks River Basin
23 Withlacoochee River Basin
24 Tampa Bay Area
25 Peace River Basin

SE - Southeast (Cont'd.)

26 Kissimmee River Basin
27 Florida East Coastal Area
28 Lower Florida Area
29 Flint River Basin
30 Chattahoochee River Basin
31 Apalachicola River Basin
32 Choctawhatchee River Basin
33 Perdido - Escambia River Basin
34 Tallapoosa River Basin
35 Coosa River Basin
36 Cahaba River Basin
37 Alabama River Basin
38 Upper Tombigbee River Basin
39 Warrior River Basin
40 Lower Tombigbee River Basin
41 Mobile Bay Area
42 Pascagoula River Basin
43 Pearl River Basin

TR - Tennessee River

1 Clinch
2 Holston
3 French Broad
4 Little Tennessee
5 Hiwassee
6 Elk
7 Duck
8 Main Stem, Tennessee River, and Minor Tributaries

OR - Ohio River

1 Allegheny
2 Monongahela
3 Beaver
4 Muskingum
5 Little Kanawha
6 Hocking
7 Kanawha
8 Guyandot
9 Big Sandy
10 Scioto
11 Little Miami
12 Licking
13 Miami
14 Kentucky
15 Salt
16 Green
17 Wabash
18 East Fork White River
19 West Fork White River
20 Cumberland
21 Ohio Main Stem and Minor Tributaries
22 French Creek
23 Clarion River

LE - Lake Erie

1 Maumee
2 Sandusky
3 Cuyahoga
4 Lake Erie Shore Line and Minor Tributaries

UM - Upper Mississippi

1 Red River of the North
2 Rainy
3 Upper Portion Upper Mississippi River
4 Minnesota
5 St. Croix
6 Lower Portion Upper Mississippi River
7 Wisconsin
8 Mississippi-Wapsipinicon and Tributaries
9 Rock
10 Mississippi-Iowa-Cedar
11 Mississippi-Des Moines-Skunk
12 Mississippi-Salt
13 Chicago-Calumet
14 Des Plaines
15 Kankakee
16 Fox
17 Illinois
18 Mississippi-St. Louis Area
19 Meramec
20 Kaskaskia
21 Big Muddy
22 Mississippi-Cape Girardeau Area

WL - Western Great Lakes

23 Lake Superior
24 Green Bay Western Shore
25 Fox-Wolf
26 Lake Michigan Western Shore (Includes No. Suburbs of Chicago which drain to Lake)
27 Lake Michigan-Lake Huron North Shore
28 Lake Michigan Northeastern Shore
29 Muskegon River
30 Grand River
31 Kalamazoo
32 St. Joseph River
33 Lake Huron Western Shore
34 Saginaw River
35 St. Clair-Detroit Rivers
36 Lake Erie Western Shore

MR - Missouri River

1 Upper Missouri (Main Stem and Tributaries to below Mouth of Milk River)
2 Yellowstone
3 Missouri-Souris (Main Stem and Minor Tributaries from Mouth of Milk River

Appendix C (Cont'd.)

MR - Missouri River (cont'd.)

to Spring Creek including Devils Lake and Souris River)
4 Central Missouri (Main Stem and Tributaries from above mouth Spring Creek to Niobrara River)
5 Niobrara
6 James
7 Big Sioux
8 Lower Platte River from its origin at North Platte, Nebraska, to its mouth)
9 North Platte
10 South Platte
11 Kansas
12 Lower Missouri (Main Stem and Minor Tributaries from Niobrara River to Mouth)
13 Grand-Chariton
14 Osage-Gasconade

SM - Southwest-Lower Mississippi

1 Upper Arkansas River Basin Above Kans.-Colo. State Line
2 Arkansas River Basin-Kans.-Colo. State Line to Tulsa
3 Verdigris River Basin
4 Grand (Neosho) River Basin
5 White River Basin
6 Lower Miss. River Basin - Cairo to Helena, Arkansas
7 Cimarron River Basin (N. M., Colo., Kans., and Okla.)
8 North Canadian River Basin
9 Arkansas River Basin - Tulsa to Van Buren
10 Arkansas River Basin - Van Buren to mouth
11 Lower Miss. River Basin - Yazoo River
12 South Canadian River Basin - Above Tex.-Okla. State Line
13 South Canadian River Basin - Below Tex.-Okla. State Line
14 Washita River Basin
15 Upper Red River Basin - Above Denison
16 Lower Red River Basin - Below Denison
17 Ouachita River Basin
18 Lower Miss. River Basin - Big Black River
19 Atchafalaya River Basin
20 Calcasieu River Basin
21 Lower Miss. River Basin - Natchez to Gulf

CR - Colorado River

1 Lower Colorado River Basin
2 Middle Colorado River Basin
3 Upper Colorado River Basin
4 Gila River Basin

Appendix C (Cont'd.)

5 Little Colorado River Basin
6 San Juan River Basin
7 Green River Basin

WG - Western Gulf

1 Sabine River Basin
2 Neches River Basin
3 Trinity and San Jacinto River Basin
4 Brazos River Basin
5 Colorado River Basin
6 Guadalupe, Lavaca, and San Antonio River Basin
7 Nueces River Basin
8 Pecos River Basin
9 Rio Grande Basin (Upper) above Pecos River
10 Rio Grande Basin (Lower) below Pecos River

PN - Pacific Northwest

1 Kootenai River Basin
2 Clark Fork-Pend Oreille River Basin
3 Spokane River Basin
4 Yakima River Basin
5 Columbia River Basin Above Yakima River
6 Upper Snake River Basin
7 Central Snake River Basin
8 Middle and Lower Snake River Basin
9 Willamette River Basin
10 Columbia River Basin Below Yakima River
11 Puget Sound Basin
12 Washington Coast Basin
13 Oregon Coast Basin
14 Southern Oregon Lakes Basin
15 Alaska

CL - California

1 Klamath River
2 North Coastal
3 San Francisco Bay Region
4 Central Coastal
5 Santa Clara River
6 Los Angeles River
7 Santa Ana River
8 San Diego
9 Sacramento River
10 San Joaquin River
11 Kings and Kern Rivers and Tulare Lake

GB - Great Basin

1 Northwestern Lahontan
2 Humboldt River
3 Central Nevada
4 Owens River
5 Mojave

GB - Great Basin (Cont'd.)

6 Colorado River Basin Region of California
7 Great Salt Lake
8 Sevier River

HA - Hawaii

1 Hawaii
2 Kuai
3 Maiu
4 Oahu

APPENDIX D

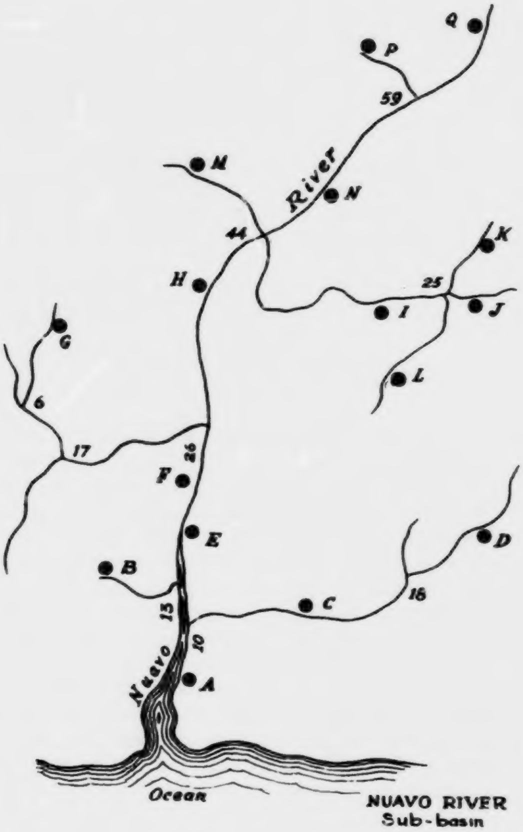
The watercourse mileage system is illustrated with reference to the accompanying diagram of the (hypothetical) Nuavo River sub-basin.

The main stem of the sub-basin, together with those triutaries on which sources of pollution are located, are shown. Tributaries entering the main stem are located by mileages above the mouth of the main stem. Sub-tributaries are located by mileages above the mouth of the tributary into which they discharge, tertiary tributaries by mileages above the mouth of the sub-tributary into which they discharge, and so on for fourth, fifth, etc., tributaries.

The watercourse mileage coding for each source of pollution on this river system is shown in the following table:

Source of Pollution	Watercourse Mileage
A	N5
B	N13-6
C	N10-10
D	N10-18-9
E	N18
F	N22
G	N26-17-6-5
H	N35
I	NR44-23
J	NR44-28
K	NR44-L25-6
L	NR44-R25-6
M	NL44-6
N	N52
P	N59-5
Q	N67

In each code symbol a letter - "N" in this case - appears first to denote the main stem concerned. The letter symbol is followed by numbers which locate by river mileage the particular source of pollution.



The coding for three sources of pollution from the table is discussed more fully below:

1) Source D Code: N10-18-9
This source of pollution is located on a second tributary, which enters the first tributary 18 miles above its mouth. The first tributary, in turn, enters the main stem 10 miles above its mouth. The coding for "D" is then made up as follows:

N10	Indicates a point 10 miles above the mouth of the main stem
-18	A point 18 miles above the mouth of the first tributary
-9	A point 9 miles above the mouth of the second tributary

2) Source J Code: NR44-28
Located on a first tributary which enters the main stem 44 miles above its mouth. The coding for "J" is made up as follows:

NR44	A point 44 miles above the mouth of the main stem, on the right bank.
-28	A point 28 miles above the mouth of the first tributary

Note that in the coding for source "J" above, an additional letter - an "R" - appears after the "N" designating the main stem in the first part of the code. This "R" signifies that the tributary carrying pollution from source "J" enters the main stem on the right side, looking upstream. The second letter serves to differentiate this tributary from that entering directly opposite, on the left side of the main stem (see code for source "M".) The designations "R" and "L" are necessary only in situations of this type. The same principle may also be applied to similar conditions on tributaries, always looking upstream to define the right and left banks. This is shown in the next example.

3) Source L Code: NR44-R25-6
Located on a second tributary which enters the first tributary 25 miles above its mouth. The coding for source "L" is made up as follows:

NR44	A point 44 miles above the mouth of the main stem, on the right bank.
-R25	A point 25 miles above the mouth of the first tributary, on the right bank.
-6	A point 6 miles above the mouth of the second tributary.

In this case the "R" designation is necessary in the mileage coding of the first tributary since at this point another second tributary enters on the opposite (left) bank. Note that the coding for source "K" (NR44-L25-6) differs from that for source "L" only by the fact that it is located on a tributary entering on the left bank - looking upstream - of the first tributary.

In those cases where two or more main stems are located in one sub-basin, differentiation is made by the first letter of the code, i.e., the "N" in this case would distinguish sources of pollution on the Nuavo River from those on, say, the Cling River, if the latter was also in this sub-basin.

It may happen that two rivers having the same initial letter lie in the same sub-basin. In this case, a second letter will be used for distinction. Thus if, in addition to the Nuavo, the North River was also a main stem in this sub-basin, the Nuavo could be coded as given i.e., "N" while the North could be coded as "NO".

Major points to be reiterated are:

1) All mileages in the code are river mileages.

2) The zero point for mileages on the main stem is at the mouth of the main stem. The zero point for mileages on a tributary is at the mouth of the tributary.

3) For uniformity, right and left banks of the main stem and tributaries are located by looking upstream on the main stem or tributary concerned.

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
ACKLEY		1,608 -	1,610 -	S -	0.193 -	1.68 0.20	ScCmFtrCmDcpBo -	Middle Fork of Beaver Creek	1
ACKLEY	Marshall Canning Co.	x-S -	- -	20 C	0.082 P	- -	x -	Land* & N. Fork of Beaver Creek**	2
ADEL		1,799 -	1,200 -	SC -	x -	- -	None -	Raccoon River -	3
AFTON		936 -	600 -	S -	.024E -	0.5 0.035	CsBo -	Twelve Mile Creek	4
AFTON	Afton Creamery	x -	- -	20 L	x -	x x	Cs -	Twelve Mile Creek	5
AKRON		1,251 -	1,000 -	S -	x -	- -	None -	Big Sioux River -	6
ALBERT CITY		736 -	700 -	S -	.042E -	1.42 0.077	CiFtrCpBo -	Drainage Ditch #34	7
ALBIA	North Plant	4,838 -	2,000 -	S -	x -	x x	GhCiFsBo -	Miller Creek to Des Moines River	8
ALBIA	Southeast Plant	- -	1,000 -	S -	0.045 -	2.0 x	ShCiFtnCpBo -	Avery Creek to Des Moines River	9
ALBIA	Southwest Plant	- -	860 -	S -	x -	x x	GhCiFtrCpBo -	Cedar Creek -	10
ALBIA	Rendering Plant	x -	- -	20 P	.004 -	x x	CpFthCpDop -	Avery Creek -	11
ALDEN		829 -	660 -	S -	x -	0.9 0.060	CiFtnBo -	Iowa River -	12
ALDEN	Alden Creamery	x -	- -	20 L	x -	- -	None -	Iowa River -	13
ALGONA		5,415 -	5,000 -	S -	0.40 -	x x	SgGmKmCmFtrCmDfh -	East Fork of Des Moines River	14
ALGONA	Rendering Plant	x -	- -	20 P	x -	- -	None -	East Fork of Des Moines River	15
ALLERTON		761 -	500 -	S -	0.045 -	2.0 0.06	ScCiFo CiFtrCiBo -	Medicine Creek -	16
ALLISON		771 -	740 -	S -	0.058 -	0.8 0.037	ShCiFtrCpBo -	Dry Cr. to West Fork Cedar River	17
ALPHA	Rendering Plant	x -	- -	20 P	0.001 P	- -	None -	Crane Creek to Wapsipinicon R.	18
ALTA		1,348 -	1,325 -	S -	.093E -	1.9 0.117	ShCmFtrCmDfhrBo -	Creek to Maple River	19
ALTA VISTA		312 -	270 -	S -	x -	0.4 0.040	ShCiFtnCpBo -	Cr. to Middle Br. Wapsipinicon R.	20
ALTA VISTA	Creamery	x -	- -	20 L	0.014 -	- -	None -	Cr. to Middle Br. Wapsipinicon R.	21
ALTON		1,038 -	1,000 -	S -	.067E -	0.8 0.031	ShGhCsFsBo -	Floyd River -	22
ALTOONA		763 -	x -	S -	x -	1.2 0.12	ShCiFtrCpBo -	Br.of Four Mile Cr.to Des MoinesR	23
AMES		22,893 -	22,000 -	S -	2.0 -	27.0 2.20	Sc(KaGh)CmFtrCmEgcDefhrBo	Skunk River -	24
ANAMOSA		3,910 -	3,700 -	S -	0.446 -	7.85 0.669	ScGh(KmCm)FtrCmDfhrBo	Wapsipinicon River	25
ANITA		1,112 -	750 -	S -	x -	- -	None -	Turkey Creek -	26
ANKENY		1,229 -	1,200 -	S -	x -	1.2 0.060	SmGhCiFtrFsDpoBo -	Four Mile Cr. to Des Moines River	27
ANKENY	John Deere-Des Moines Works	1,700 -	- -	34 A	x P	x x	KcC 10 -	Dry Run to Des Moines River	28
ANKENY	John Deere-Des Moines Works	- -	1,700 -	- -	x -	3.15 0.251	KaCmFtrCpFcgDfhoprBo -	Dry Run to Des Moines River	29
ANTHON		770 -	700 -	S -	0.035 -	0.60 0.03	GhCsFsBo -	Little Sioux River	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	1,610	0	-	7	C			
	10	-	x	-	-	-		-		
2	UM	-	x	-	-	7		-	*Process Wastes.	
	10	-	-	-	-	-		-	**Cooling water.	
3	UM	x	1,200E	28	x	*0	cf		*Based on the discharge	
	11	-	1,200E	-	x	-		x	of raw sewage	
4	MR	G64.0-	600	0	-	4	c			
	13	98.0-14.0	400E	-	-	-		x		
5	MR	G64.0-	900E	0	-	4	c			
	13	98.0-14.0	900E	-	-	-		x		
6	MR	BS54	1,100E	x	x	*0	CFI		*Based on discharge of	
	7	-	1,100E	-	x	-		x	raw sewage	
7	UM	x	1,416E	0	-	7	C			
	11	-	140E	-	-	-		x		
8	UM	x	x	0	-	2	C			
	11	-	100E	-	-	-		x		
9	UM	x	x	0	-	5	BC			
	11	-	100E	-	-	-		x		
10	UM	x	1,315E	0	-	7	C			
	11	-	130E	-	-	-		x		
11	UM	x	1,560E	x	x	7	C			
	11	-	200E	-	x	-		-		
12	UM	x	660E	2	x	7	CF			
	10	-	100E	-	x	-		x		
13	UM	x	200E	x	x	*0	cf		*Based on the discharge	
	10	-	200E	-	x	-		x	of raw wastes	
14	UM	x	6,000	x	x	7	CFH			
	11	-	600E	-	x	-		-		
15	UM	x	x	x	x	0	cfh	N		
	11	-	x	-	x	-		x		
16	MR	G50-32-45	3,500	x	x	2	C			
	13	-	350	-	x	-		x		
17	UM	x	975	0	-	7	C			
	10	-	100E	-	-	-		-		
18	UM	x	2,736	x	x	0	cf	N		
	8	-	2,736	-	x	-		x		
19	MR	M693.5-13-	1,550	x	x	7	C			
	12	63-13	100E	-	x	-		-		
20	UM	x	270	x	x	7	CF			
	8	-	50E	-	x	-		x		
21	UM	x	600E	x	x	0	cf			
	8	-	600E	-	x	-		x		
22	MR	M758.3-52	1,075E	x	x	4	CF			
	12	-	675E	-	x	-		-		
23	UM	x	x	x	x	7	C			
	11	-	x	-	x	-		-		
24	UM	x	27,400	0	-	7	CF			
	11	-	2,740	-	-	-		x		
25	UM	x	7,800E	x	x	7	CF			
	8	-	500	-	x	-		x		
26	MR	M560.8-12-	750	x	x	*0	C		*Based on discharge of	
	12	92	750	-	x	-		x	raw sewage	
27	UM	x	1,200	0	-	2	C			
	11	-	120E	-	-	-		x		
28	UM	x	x	0	-	7	CFJ			
	11	-	x	-	-	-		x		
29	UM	x	500E	0	-	7	CFJ			
	11	-	50E	-	-	-		x		
30	MR	M693.5-79	700	5	1	4	CFH			
	12	-	400	-	14	-		-		

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						Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	
1		2	3	4	5	6	7	8	
APLINGTON		702 -	550 -	S -	x -	0.50 0.072	CiFtnBo -	Beaver Creek -	1
ARLINGTON		661 -	550 -	S -	0.050 -	1.04 0.051	ShCpFthCpDcpBo -	Brush Creek to Volga River	2
ARMSTRONG		943 -	600 -	S -	x -	- -	None -	East Fork of Des Moines River	3
ARNOLDS PARK		1,078 -	(830) -	S -	- -	- -	See Iowa Great Lakes S.D.	Creek to Little Sioux River	4
ARTHUR		243 -	235 -	S -	.013E -	x 0.015	CsFs* -	Dry Run to Odebolt Creek	5
ASHTON		588 -	450 -	S .	0.020 -	- -	None -	Otter Creek -	6
ATLANTIC		6,480 -	5,800 -	S -	x -	9.6 0.47	ShKmxCm[FtrCm]* [FtrCm]* DcfrhBo	East Nishnabotna River	7
ATLANTIC	Rendering Plant	x -	- -	20 P	x -	- -	None -	East Nishnabotna River	8
AUDUBON		2,808 -	1,850 -	S -	0.19 -	3.0 0.225	ScCmFtrCmDfrhBo -	Blue Grass Cr. to E. Nishnabotna R.	9
AUDUBON	Cannery	x -	- -	20 C	0.030 -	3.0 0.030	Ip -	Land -	10
AURELIA		807 -	820 -	S -	0.108 -	0.90 0.127	ShCiFtrCpBo -	Creek to Maple River	11
AVOCA		1,595 -	1,200 -	S -	x -	- -	None -	East Br. of West Nishnabotna River	12
BAGLEY		392 -	160 -	S -	x -	x x	Cs -	Mosquito Cr. to Middle Raccoon R.	13
BANCROFT		901 -	700 -	S -	.008E -	x x	CiFsBo -	Mud Creek to Des Moines River	14
BANCROFT	Bancroft Co-op. Creamery	x -	- -	20 L	x -	- -	None -	Mud Creek to Des Moines River	15
BATTLE CREEK		873 -	550 -	S -	0.050 -	- -	None -	Maple River -	16
BAXTER		618 -	350 -	S -	0.020 -	0.6 0.009	CsFtnCpBo -	Prairie Creek to Skunk River	17
BEDFORD		2,000 -	1,800 -	S -	0.101 -	2.1 0.105	ShCmFthCmDcrhBo -	East Fork of 102 River	18
BELLE PLAINE		3,056 -	2,250 -	S -	x -	4.245 0.342	ScGhCmFtrCpDfhrBoHo -	Salt Creek to Iowa River	19
BELLEVUE		1,932 -	1,300 -	S -	x -	- -	None -	Mississippi River -	20
BELMOND		2,169 -	1,900 -	S -	0.150 -	2.6 0.168	ShCmFtrCmDopBo -	Iowa River -	21
BELMOND	Soybean Plant	x -	- -	20 Q	x -	- -	None -	Iowa River -	22
BETTENDORF		5,132 -	(4,000) -	S -	- -	- -	See Davenport -	Mississippi River -	23
BLAIRSTOWN		523 -	400 -	S -	0.028 -	0.37 0.027	CsBo -	Prairie Creek to Cedar River	24
BLOOMFIELD		2,688 -	2,300 -	S -	0.17E -	2.515 0.10	GhCiFtnCpBo -	Creek to Fox River	25
BODE		492 -	400 -	S -	0.035 -	0.4 0.035	CsFsBo -	Trulner Creek to Lotts Creek	26
BONAPARTE		642 -	400 -	S -	x -	- -	None -	Des Moines River -	27
BONAPARTE	Midwest Rendering Co.	x -	- -	20 P	x -	x x	Minor -	Des Moines River -	28
BOONE		12,164 -	12,000 -	S -	0.654 -	11.0 x	ShCiFtnBo -	Honey Creek to Des Moines River	29
BOYDEN		541 -	540 -	S -	0.03E -	x x	CiFsBo -	Creek to West Br. of Floyd River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN	WATERCOURSE MILEAGE	P.E. (BOD)	STREAM FLOW FOR DESIGN		POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT	REMARKS	ADDITIONAL COMMENTS
	SUB-BASIN		UNTREATED WASTE / DISCHARGED WASTE	MINIMUM FLOW CFS	Duration (Days) / Frequency (Years)			FUTURE		
	9	10	11	12	13	14	15		16	17
1	UM	x	900	6	x	7	CF			
	10	-	100E	-	x	-		x		
2	UM	x	1,040	2	x	7	CF			
	8	-	100E	-	x	-		x		
3	UM	x	900E	x	x	0	c N			
	11	-	900E	-	x	-		x		
4	MR	-	-	-	-	-		-		
	12	-	-	-	-	-		-		
5	MR	M693.5-13-	235	0	-	4	Ch		*Plant not operated	
	12	44-7	235	-	-	-		-	since 1920.	
6	MR	BS84.7-28-	450	x	x	0	cf			
	7	5-32	450	-	x	-		x		
7	MR	M560.3-12-	5,800	x	x	7	CF		*May be operated either	
	12	99.4	500	-	x	-		x	in parallel or in series	
8	MR	M560.8-12-	x	x	x	*0	CF		*Based on discharge of	
	12	99.4	x	-	x	-		x	raw sewage	
9	MR	M560.8-12-	1,850	0	-	7	C			
	12	115-10	100	-	-	-		x		
10	MR	-	3,000	-	-	5		-		
	12	-	0	-	-	-		-		
11	MR	M693.5-13-	x	0	-	7	C			
	12	77	x	-	-	-		-		
12	MR	M560.8-12-	2,700	x	x	*0	CF		*Based on discharge of	
	12	83-4	2,700	-	x	-		x	raw sewage	
13	UM	x	x	0	-	4	c			
	11	-	120E	-	-	-		x		
14	UM	x	x	x	x	2	CF			
	11	-	400E	-	x	-		x		
15	UM	x	x	x	x	*0	CF		*Based on discharge of	
	11	-	x	-	x	-		x	raw waste	
16	MR	M693.5-13-	550	x	x	*0	CF		*Based on discharge of	
	12	35	550	-	x	-		x	raw sewage	
17	UM	x	350E	0	-	5	CF			
	11	-	50E	-	-	-		x		
18	MR	M402.5-79-	1,800	0	-	1	c			
	12	82-13	400E	-	-	*5		x		
19	UM	x	*2,250	0	-	7	CF		*Does not include	
	10	-	*400E	-	-	-		x	seasonal cannery waste.	
20	UM	M1540	1,300E	x	x	0	EFHK			
	8	-	1,300E	-	x	-		x		
21	UM	x	1,900	x	x	7	Cf			
	10	-	200E	-	x	-		-		
22	UM	x	x	x	x	0	cf			
	10	-	x	-	x	-		x		
23	UM	-	-	-	-	-		-		
	8	-	-	-	-	-		-		
24	UM	x	400E	0	-	4	c N			
	10	-	300E	-	-	-		x		
25	UM	x	2,630E	0	-	1	C			
	12	-	1,070E	-	-			-		
26	UM	x	700	0	-	2	c			
	11	-	350E	-	-	-		x		
27	UM	x	1,100E	x	x	*0	CFHJ		*Based on discharge of	
	11	-	1,100E	-	x	-		x	raw sewage	
28	UM	x	500E	x	x	*0	CFHJ		*Based on discharge of	
	11	-	500E	-	x	-		x	raw sewage	
29	UM	x	12,000	0	-	1	CHJ			
	11	-	3,300	-	-	-		x		
30	MR	M758.3-23-	1,725E	0	-	4	c N			
	12	38	1,500E	-	-	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BOYDEN	Creamery	x -	- -	20 L	0.012 -	- -	None -	West Branch of Floyd River	1
BRANDON		319 -	150 -	S -	0.03 -	x x	CiFsBo -	Lime Creek to Cedar River	2
BREDA		506 -	470 -	S -	0.06 -	0.50 0.025	ShCiFsBo -	Creek to Black Hawk Lake	3
BRIGHTON		705 -	600 -	S -	0.03E -	x x	GhCiFsBo -	Walnut Creek to Skunk River	4
BRITT		1,908 -	1,500 -	S -	x -	2.0 0.10	ScCmFtrCmDchmrBo -	Otter Creek to Boone River	5
BRITT	Britt Rendering Plant	x -	- -	20 P	x -	- -	None -	Iowa River -	6
BROOKLYN		1,323 -	1,080 -	S -	x -	1.56 0.133	CmFtrCpDcpHoBo -	Little Bear Creek -	7
BUFFALO CENTER		1,087 -	x -	C -	x -	- -	Individual septic tanks*	Blue Earth River -	8
BURLINGTON		30,613 -	200 -	S -	x -	x x	CiFtnBo -	Dry Run to Mississippi River	9
BURLINGTON *		- -	25,000 -	CS -	x -	- -	None -	Mississippi River -	10
BURLINGTON	Iowa Ordnance Plant	x -	- -	28 C	x P	- -	None -	Brush Creek to Mississippi River	11
BURLINGTON	Iowa Ordnance Plant	- -	x -	S -	x -	0.66 0.033	ShCiFtrCpBo -	Brush Creek to Mississippi River	12
BURT		572 -	350 -	S -	x -	x x	CsFsBo	Blackcat Cr. to E Fk Des Moines R.	13
BUSSEY		633 -	350 -	S -	x -	- -	None -	Cedar Creek -	14
CALMAR	Southeast Plant	937 -	356 -	S -	.018E -	x x	SmCsFsBo -	Creek to Turkey River	15
CALMAR	Southwest Plant	- -	534 -	S -	.027E -	x x	SmCsFsBo -	Creek to Turkey River	16
CAMANCHE		1,212 -	640 -	S -	x -	- -	None -	Mississippi River -	17
CARLISLE		903 -	450 -	S -	x -	0.8 0.048	CiFtrCpBo -	North River to Des Moines River	18
CARROLL		6,231 -	5,300 -	S -	0.5E -	9.322 0.726	ShScKmCmFthCmFsDch HoBo	Creek to Middle Fork Raccoon R.	19
CARSON		596 -	400 -	S -	x -	- -	None -	West Nishnabotna River	20
CARTER LAKE		1,183 -	600 -	S -	x -	- -	None -	Missouri River -	21
CASCADE		1,299 -	1,000 -	S -	x -	3.4 0.14	ShCiFtrCmBo -	North Branch of Maquoketa River	22
CASTALIA	Carnation Milk Station	x -	- -	20 H	.0055 -	0.15 .005	ApFthCp -	Ditch to Turkey River	23
CEDAR FALLS	Cedar Heights Plant	14,334 -	500 -	S -	0.04 -	0.90 0.08	S CiFtrCpBo -	Cedar River -	24
CEDAR FALLS	Main Plant	- -	10,000 -	S -	1.1 -	20.0 2.0	ScGhCmFtrCmDfhrHoBo -	Cedar River -	25
CEDAR FALLS	Clay Equipment Co.	x -	- -	34 A	x -	x x	Ch -	Cedar River -	26
CEDAR RAPIDS		72,296 -	60,000 -	S -	13.03 -	395.2 16.1	SmGmOaCmFoCm FtrCmT DefhLs	Cedar River -	27
CEDAR RAPIDS	College Twp. High School	- x	x -	S -	x -	0.5 0.01	CsFs* -	Hoosier Creek to Iowa River	28
CEDAR RAPIDS	Penick & Ford	x -	- -	20 R	0.1 -	- -	None -	Cedar River -	29
CEDAR RAPIDS	Quaker Oats	x -	- -	20 R	0.32 -	- -	None -	Cedar River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M758.3-23- 38	800E 800E	0 -	- -	0 -	c N x		
2	UM 10	x -	150E 50E	0 -	- -	5 -	C x		
3	UM 11	x -	500E 100E	0 -	- -	7 -	CF x		
4	UM 11	x -	x 100E	0 -	- -	2 -	cf x		
5	UM 11	x -	2,300E 250E	0 -	- -	7 -	C x		
6	UM 10	x -	x x	x -	x x	*0 -	c x	*Based on discharge of raw waste	
7	UM 10	x -	1,900E 600E	x -	x x	5 -	CF x		
8	UM 4	x -	x x	x -	x x	0 -	C x	*Effluents discharge into storm sewer	
9	UM 11	x -	200E 50E	x -	x x	5 -	A x		
10	UM 11	M1388 -	x x	x -	x x	*0 -	AEFHK x	*Based on discharge of raw sewage	
11	UM 11	x -	x x	x -	x x	0 -	cf x		
12	UM 11	x -	x x	x -	x x	7 -	cf x		
13	UM 11	x -	350E 100E	0 -	- -	2 -	ch x		
14	UM 11	x -	350E 350E	0 -	- -	*0 -	c x	*Based on discharge of raw sewage	
15	UM 8	x -	600E 110E	0 -	- -	4 -	CF -		
16	UM 8	x -	534E 100E	0 -	- -	4 -	C -		
17	UM 8	M1496 -	640E 640E	x -	x x	*0 -	EFHK x	*Based on discharge of raw sewage	
18	UM 11	x -	903E 45E	0.2 -	5 10	7 -	CF -		
19	UM 11	x -	6,000E 1,000E	0 -	- -	7 -	CF x		
20	MR 12	M560.3-12- 64	400 400	x -	x x	*0 -	C x	*Based on discharge of raw sewage	
21	MR 12	M633 -	600 600	x -	x x	*0 -	ABEFHJK -	*Based on discharge of raw sewage	
22	UM 8	x -	1,400E 600E	x -	x x	7 -	CF x		
23	UM 6	x -	1,000 400	x -	x x	1 -	x x		
24	UM 10	x -	x x	x -	x x	7 -	BCFJ x		
25	UM 10	x -	x x	x -	x x	7 -	BCFJ x		
26	UM 10	x -	x x	x -	x x	7 -	BCFJ x		
27	UM 10	x -	320,000E 40,000E	315 -	15 x	1 -	CFJ -		
28	UM 10	x -	x x	x -	x x	7 -	C -	*Subsurface filter	
29	UM 10	x -	50,000 50,000	x -	x x	6 -	CFJ x		
30	UM 10	x -	100,000 100,000	x -	x x	6 -	CFJ x		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
CENTERVILLE	Northeast Plant	7,625 -	5,000 -	S -	0.3E -	x x	S GhCiFtnFsBo -	Dry Creek to Chariton River	1
CENTERVILLE	West Plant	- -	2,200 -	S -	x -	3.60 0.269	S GhCiFtnBo -	Manson Branch to Chariton River	2
CENTRAL CITY		965 -	765 -	S -	0.07E -	3.6 x	ShGhCsBo -	Wapsipinicon River	3
CHARITON		5,320 -	4,800 -	C -	0.358 -	6.42 0.675	ShGhCmFtrCmDfpXp -	Chariton River -	4
CHARLES CITY		10,309 -	8,250 -	CS -	1.6 -	x x	ShGhCiFtnBo -	Cedar River -	5
CHARTER OAK		710 -	550 -	S -	.026E -	x x	CsFsBo -	East Fork of Soldier River	6
CHEROKEE		7,705 -	7,700 -	S -	1.0E -	7.2 0.525	ScCmF* CmDfrhBo -	Little Sioux River	7
CHEROKEE	State Hospital	- 1,878-9	1,880 -	S -	x -	2.0 0.20	ShmCmFtrCpDfrhBo -	Little Sioux River	8
CHURDAN		593 -	480 -	S -	x -	x x	CsFsBo -	Hardin Creek to Raccoon River	9
CLARINDA		5,086 -	6,550 -	S -	x -	9.1 0.623	ScCmFtrCmDfhrBo -	Nodaway River -	10
CLARION		3,150 -	2,930 -	S -	x -	3.0 0.145	ShCmFtrCpDchrBo -	White Fox Creek to Boone River	11
CLARKSVILLE		1,210 -	850 -	S -	0.060 -	x x	GhCsBo -	Shellrock River -	12
CLARKSVILLE	Clarksville Cannery	x -	- -	20 C	x -	x x	L -	Land -	13
CLEAR LAKE SANITARY DISTRICT*		- -	12,000-S -	S -	x -	16.0 1.63	SgGmCmFtrCmDfhptBo -	Beaver Dam Creek to Cedar River	14
CLINTON		30,379 -	25,000 -	SC -	x -	- -	None -	Mississippi River -	15
CLINTON	Central Steel Tube	x -	- -	34 A	x -	- -	None -	Mississippi River -	16
COGGON		604 -	600 -	S -	0.104 -	0.60 0.108	ShGhCiFthCpBo -	Buffalo Creek -	17
COLFAX		2,279 -	1,600 -	S -	x -	- -	None -	Skunk River -	18
COLUMBUS JUNCTION		1,123 -	600 -	S -	x -	- -	None -	Short Creek to Iowa River	19
COLUMBUS JUNCTION	Cannery	x -	- -	20 C	x -	x x	L -	Land -	20
CONRAD		649 -	350 -	S -	x -	0.40 x	CsFsBo -	Wolf Creek -	21
COON RAPIDS		1,676 -	1,400 -	S -	x -	1.3 0.055	KaxCmFtrCmDfhrBo -	Middle Fork of Raccoon River	22
CORALVILLE		977 -	(x) -	x -	- -	- -	See Iowa City -	Iowa River -	23
CORNING		2,104 -	1,800 -	S -	x -	2.2 x	ShCmFtrCpDchrBo -	East Nodaway River	24
CORNING	Rendering Plant	x -	- -	20 P	x -	x x	Cs -	East Nodaway River	25
CORRECTIONVILLE		992 -	950 -	S -	0.06E -	x x	CiBo -	Little Sioux River	26
CORWITH		480 -	360 -	S -	x -	x x	CiFsBo -	Boone River -	27
CORYDON	East Outfall	1,870 -	100 -	S -	x -	- -	None -	Branch of South Chariton River	28
CORYDON	North Plant	- -	960 -	S -	x -	x x	Cs -	Branch of South Chariton River	29
CORYDON	South Plant	- -	670 -	S -	x -	x x	Cs -	Branch of South Chariton River	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR	C195.8-	6,000E	x	x	2	C			
	13	-	1,500	-	x	-		x		
2	MR	C195.8-	2,200	x	x	2	C			
	13	-	600	-	x	-		x		
3	UM	x	830E	x	x	4	CFij			
	8	-	500E	-	x	-		-		
4	MR	C249.4	x	x	x	7	CF			
	13	-	x	-	x	-		x		
5	UM	x	15,000	x	x	2	cFJ			
	10	-	5,000E	-	x	-		x		
6	MR	M687.7-41-	550	x	x	4	C			
	12	8	300	-	x	-		x		
7	MR	M693.5-144	9,200E	x	x	7	CF		*Concentric. Can be used as Ftr, Ft1h, or Ft2h.	
	12	-	1,300E	-	x	-		-		
8	MR	M693.5-144	1,880	x	x	7	CF			
	12	-	400	-	x	-		x		
9	UM	x	480	0	-	7	C			
	11	-	50E	-	-	-		x		
10	MR	M480.9-	7,100	2	3	7	CF			
	12	102.3	800E	-	7	-		-		
11	UM	x	2,930E	0	-	7	C			
	11	-	750E	-	-	-		-		
12	UM	x	850	x	x	4	cfj			
	10	-	700E	-	x	-		x		
13	UM	-	x	-	-	7		-		
	10	-	-	-	-	-		-		
14	UM	x	x	x	x	7	C		*Seasonal	
	10	-	x	-	x	-		x		
15	UM	M1501	x	x	x	0	eFHK			
	8	-	x	-	x	-		x		
16	UM	x	x	x	x	x	eFHK			
	8	-	x	-	x	-		x		
17	UM	x	1,500	x	x	2	CF			
	8	-	190	-	x	-		x		
18	UM	x	1,600E	x	x	*0	cf		*Based on discharge of raw sewage	
	11	-	1,600E	-	x	-		x		
19	UM	x	700E	x	x	0	CF			
	10	-	700E	-	x	-		x		
20	UM	-	x	-	-	x		-		
	10	-	-	-	-	-		-		
21	UM	x	x	x	x	4	cf			
	10	-	200E	-	x	-		x		
22	UM	x	x	x	x	7	CF			
	11	-	250E	-	x	-		x		
23	UM	-	-	-	-	-		-		
	10	-	-	-	-	-		-		
24	MR	M480.9-92-	1,800	x	x	7	CF			
	12	44	300E	-	x	-		x		
25	MR	M480.9-92-	x	x	x	4	C			
	12	44	700	-	x	-		x		
26	MR	M693.5-106	1,000E	5	1	2	CF			
	12	-	700E	-	14	-		-		
27	UM	x	x	x	x	1	CF			
	11	-	120E	-	x	&5		x		
28	MR	C223-15-10	100E	0	-	0	c N			
	13	-	100E	-	-	-		x		
29	MR	C223-15-10	960E	0	-	4	c N			
	13	-	800E	-	-	-		x		
30	MR	C223-15-10	670E	0	-	4	c N			
	13	-	600E	-	-	-		x		

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CORYDON	West Plant	- -	80 -	S -	x -	x x	Cs -	Branch of South Chariton River	1
COUNCIL BLUFFS		45,429 -	43,500 -	CS -	x -	- -	None -	Missouri River -	2
COUNCIL BLUFFS	Iowa School for Deaf	- 400-2	400 -	x -	x -	- -	None -	Mosquito Creek -	3
COUNCIL BLUFFS	Rendering Plant	x -	- -	20 P	x -	- -	None -	Mosquito Creek -	4
CRESCO		3,638 -	3,000 -	S -	x -	4.8 0.274	GmScShKmCmFtrCmDfhr DoBo	Creek to Upper Iowa River	5
CRESCO	Cresco Rendering Plant	x -	- -	20 P	x -	x x	L -	Land -	6
CRESTON		8,317 -	8,100 -	S -	0.612 -	x x	ShCmFtrCmDcmrhBo -	Creek to West Platte River	7
CUSHING		248 -	200 -	S -	0.02 -	x x	CsFsBo -	Bacon Creek -	8
DALLAS CENTER		944 -	600 -	S -	x -	0.9 0.045	ShCiFtrCpBo -	Walnut Creek to Raccoon River	9
DANBURY		601 -	500 -	S -	x -	- -	None -	Maple River -	10
DANVILLE		450 -	440 -	S -	.035E -	1.20 0.06	ShCi7trCpFsEcgBo -	Long Creek -	11
DAVENPORT *		74,549 -	70,000 -	C -	12.0E -	75.0 10.0	ShGmCmDfresZcVvBo -	Mississippi River -	12
DAVENPORT	Aluminum Corp. of America	3,000 -	- -	33 B	x -	x x	CpKcmCmLs -	Mississippi River -	13
DAVENPORT	Aluminum Corp. of America	- -	1,000 -	S -	x -	x x	G CmFthCpEcDfhBo -	Mississippi River -	14
DAYTON		793 -	750 -	S -	x -	0.97 0.10	ShCiFtrCpBo -	Skillett Creek to Des Moines River	15
DECORAH		6,060 -	5,750 -	S -	.518E -	5.50 0.242	ScGhCmFtrCpDcmrhBo -	Upper Iowa River -	16
DENISON		4,554 -	4,000 -	S -	x -	- -	None -	Boyer River -	17
DENVER		635 -	500 -	S -	x -	x x	Cs -	Creek to Cedar River	18
DES MOINES *		177,965 -	150,000 -	SC -	16.45 -	220.0 30.0	GmSmOaKaCmFtrCm DfrhsLsBo	Des Moines River -	19
DES MOINES	Highland Hills Addition	- x	x -	S -	x -	2.6 0.18	ShCpFtrCpDgpBo -	Tributary of Middle River	20
DES MOINES	John Deere	2,500 -	1,000 -	- -	x -	3.15 0.186	ScShG CmFtrCpDfhEgBo -	Creek to Des Moines River	21
DE WITT		2,644 -	2,200 -	S -	x -	3.7 0.143	SmCmFthCmFsDfrhBo -	Silver Creek to Wapsipinicon R.	22
DEXTER		643 -	300 -	S -	x -	x x	ShCsFsBoLs -	Jim Creek to North River	23
DIKE		517 -	x -	x -	x -	- -	None -	North Blackhawk Creek	24
DONNELLSON		589 -	410 -	S -	.025E -	0.77 0.072	ShGhCiFtrCpBo -	Dry Creek to Sugar Creek	25
DONNELLSON	Creamery	x -	- -	20 L	x -	- -	None -	Sugar Creek to Des Moines River	26
DOON		517 -	400 -	S -	0.02E -	x x	CiBo -	Little Rock River	27
DOW CITY		524 -	400 -	S -	x -	- -	None -	Boyer River -	28
DOWS		948 -	760 -	S -	x -	x x	CsBo -	Iowe River -	29
DUBUQUE		49,671 -	50,000 -	S -	x -	- -	None -	Mississippi River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 13	C223-15-10 -	80E 80E	0 -	- -	4 -	c N x		
2	MR 12	M632 -	47,150 47,150	x -	x x	*0 -	ABEFHJK x	*Based on discharge of raw sewage	
3	MR 12	M622.3-9 -	400 400	x -	x x	*0 -	C x	*Based on discharge of raw sewage	
4	MR 12	M622.3-26 -	x x	x -	x x	*0 -	C x	*Based on discharge of raw wastes	
5	UM 6	x -	3,600E 475E	x -	x x	7 -	CF x		
6	UM 6	- -	x -	- -	- -	x -	- -		
7	MR 12	M402.5- 243.6	8,100 960	0 -	- -	7 -	C x		
8	MR 12	M693.5- 105-8	250E 50	x -	x x	7 -	CH -		
9	UM 11	x -	600E 180E	x -	x x	5 -	c x		
10	MR 12	M693.5-13- 26	500 500	x -	x x	*0 -	CF x	*Based on discharge of raw sewage	
11	UM 11	x -	520E 52E	0.1 -	x x	7 -	ABCFH -		
12	UM 8	M1465 -	x 60,000E	x -	x x	1 -	EFHK x		
13	UM 8	M1470 -	x x	x -	x x	7 -	ABEFHK x		
14	UM 8	M1470 -	1,000E 200E	x -	x x	7 -	ABEFHK x		
15	UM 11	x -	x x	x -	x x	7 -	C x		
16	UM 6	x -	6,000E 1,380E	x -	x x	1 -	CF -		
17	MR 12	M651-32 -	4,000E 4,000E	x -	x x	*0 -	C x	*Based on discharge of raw sewage	
18	UM 10	x -	x 375E	x -	x x	4 -	c x		
19	UM 11	x -	360,000 90,000E	165 -	x x	1 -	BCFJ -		
20	UM 11	x -	x x	x -	x x	7 -	C x		
21	UM 11	x -	x x	x -	x x	7 -	C x		
22	UM 8	x -	x 400E	x -	x x	7 -	CF x		
23	UM 11	x -	x 200E	x -	x x	5 -	c x		
24	UM 10	x -	x x	x -	x x	0 -	c x		
25	UM 11	DM6-22-3 -	410E 40E	x -	x x	7 -	CH -		
26	UM 11	x -	1,000E 1,000E	x -	x x	*0 -	C x	*Based on discharge of raw waste	
27	MR 7	BS84.7- 30.3	400 300	x -	x x	2 -	CF x		
28	MR 12	M651-68 -	400 400	x -	x x	*0 -	C x	*Based on discharge of raw sewage	
29	UM 10	x -	x 500E	x -	x x	4 -	CF x		
30	UM 8	M1563 -	200,000E 200,000E	x -	x x	0 -	EFHK x		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM Ind. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
DUBUQUE	Algonquin Chemical Co.	x -	- -	28 A	x -	- -	None -	Mississippi River -	1
DUBUQUE	John Deere	x -	2,500 -	- -	x -	2.5 .0875	ShCmEcDmBo -	Little Maquoketa River	2
DUBUQUE	Va. - Carolina Chemical Corp.	x -	- -	28 C	x -	- -	None -	Mississippi River -	3
DUMONT		718 -	600 -	S -	x -	x x	CiFtnBo -	Spring Creek to W. Fork Cedar R.	4
DUNKERTON		409 -	300 -	x -	x -	- -	None -	Crane Creek to Wapsipinicon R.	5
DUNLAP		1,409 -	1,200 -	S -	x -	- -	None -	Boyer River -	6
DURANT		1,075 -	1,060 -	S -	0.18 -	x x	GhCsFtnCpBo -	Mud Creek -	7
DYERSVILLE		2,416 -	2,000 -	S -	x -	2.7 0.162	ScCiFtrCpBo -	North Fork of Maquoketa River	8
DYSART		1,089 -	800 -	S -	x -	1.175 .0785	ScCiFtrCpBo -	Salt Creek to Iowa River	9
EAGLE GROVE		4,176 -	3,000 -	SC -	x -	- -	None -	Drainage Ditch to Boone River	10
EAGLE GROVE	Boone Valley Co-op Proc. Assn	x -	- -	20 R	.432E -	x x	Cp -	Drainage Ditch #4 to Boone River	11
EAGLE GROVE	Co-op Rendering Plant	50E -	- -	20 P	*0.01 P	0.822 0.072	CmFthCpDopBo -	Ditch to Boone River	12
EARLHAM		771 -	500 -	S -	x -	0.80 0.040	CiFtnBo -	Bear Creek to Middle Raccoon R.	13
EARLVILLE		661 -	600 -	S -	x -	1.0 0.037	ShCiFtrCpBo -	Maquoketa River -	14
EARLY		742 -	450 -	S -	x -	x x	CsFsBo -	Boyer River -	15
ELDON		1,457 -	800 -	C -	x -	- -	None -	Des Moines River -	16
ELDORA		3,107 -	2,000 -	C -	x -	3.125 .1625	ScGhCmFtrCpDcrhBo -	Iowa River -	17
ELDORA	Training School for Boys	- 700-0	790 -	S -	x -	0.828 0.199	ScGhCmFtrCpDfrhBo -	Beaver Creek to Iowa River	18
ELGIN	Elgin Cannery	x -	- -	20 C	x -	x x	SfI -	Land -	19
ELGIN	Elgin Creamery	x -	- -	20 L	0.018 -	- -	None -	Otter Creek to Turkey River	20
ELKADER		1,584 -	1,425 -	S -	0.085 -	- -	None -	Turkey River -	21
ELLIOT		482 -	450 -	S -	x -	- -	None -	East Nishnabotna River	22
ELLSWORTH		439 -	300 -	x -	x -	- -	None -	Skunk River -	23
ELLSWORTH	Central Co-op Turkey Producers	x -	- -	20 G	0.03 -	- -	None -	Ditch to Skunk River	24
ELMA		731 -	650 -	S -	x -	x x	CsFsBo -	Middle Branch of Wapsipinicon R.	25
EMERSON		556 -	450 -	S -	x -	0.515 0.31	ShCiFtrCpBo -	Indian Cr. to W. Nishnabotna River	26
EMMETSBURG		3,760 -	3,500 -	S -	0.20E -	3.0 0.266	ScShCmFtrCpDfrhBo -	West Fork of Des Moines River	27
EPWORTH	Epworth Creamery	x -	- -	20 L	x -	- -	None -	White Water Creek -	28
ESSEX		763 -	650 -	S -	x -	- -	None -	East Nishnabotna River	29
ESTHERVILLE		6,719 -	6,000 -	S -	2.0 -	46.0 2.065	GhSmSfOmKmCmFthCm FtrCmDfhrBoLs	West Fork of Des Moines River	30

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM	x	x	x	x	7	EFHK		
	8	-	x	-	x	-	x		
2	UM	x	x	x	x	7	CEFHK		
	8	-	x	-	x	-	x		
3	UM	x	x	x	x	x	EFHK		
	8	-	x	-	x	-	x		
4	UM	x	x	x	x	1	C		
	10	-	150E	-	x	-	x		
5	UM	x	480E	x	x	0	cf		
	8	-	480E	-	x	-	x		
6	MR	M651-60	1,200	x	x	*0	C	*Based on discharge of raw sewage	
	12	-	1,200	-	x	-	x		
7	UM	x	1,060E	0.5	x	4	CH		
	10	-	250E	-	x	-	-		
8	UM	x	2,250E	x	x	7	CF		
	8	-	400E	-	x	-	x		
9	UM	x	800E	x	x	7	C		
	10	-	150E	-	x	-	x		
10	UM	x	4,000E	x	x	0	ch		
	11	-	4,000E	-	x	-	x		
11	UM	x	x	x	x	2	CH		
	11	-	x	-	x	-	x		
12	UM	x	450	x	x	7	C	*Cooling water bypasses treatment plant	
	11	-	100E	-	x	-	x		
13	UM	x	500E	x	x	5	c		
	11	-	300E	-	x	-	x		
14	UM	x	720E	x	x	7	CF		
	8	-	150E	-	x	-	x		
15	MR	M651-125	450	x	x	4	C		
	12	-	350	-	x	-	x		
16	UM	x	800E	x	x	0	CFHJ	*Based on discharge of raw sewage	
	11	-	800E	-	x	-	x		
17	UM	x	x	x	x	7	CF		
	10	-	400E	-	x	-	x		
18	UM	x	x	x	x	7	CF		
	10	-	125E	-	x	-	x		
19	UM	-	x	-	-	7	-		
	8	-	-	-	-	-	-		
20	UM	x	300E	x	x	0	cf		
	8	-	300E	-	x	-	x		
21	UM	x	1,425E	x	x	0	cfN		
	8	-	1,425E	-	x	-	-		
22	MR	M560.8-12-68	450	x	x	*0	CF	*Based on discharge of raw sewage	
	12		450	-	x	-	x		
23	UM	x	300	0	*	0	c N		
	11	-	300	-	-	-	x		
24	UM	x	150	x	x	0	c N		
	11	-	150	-	x	-	x		
25	UM	x	x	x	x	7	CF		
	8	-	200E	-	x	-	x		
26	MR	M560.8-12-40-7	450	x	x	7	C		
	12		100	-	x	-	x		
27	UM	x	4,500E	x	x	7	CFH		
	11	-	750E	-	x	-	-		
28	UM	x	x	x	x	*0	CF	*Based on discharge of raw waste	
	8	-	x	-	x	-	x		
29	MR	M560.8-12-34	650	x	x	*0	CF	*Based on discharge of raw sewage	
	12		650	-	x	-	x		
30	UM	x	47,000	x	x	1	CFH		
	11	-	7,000	-	x	-	-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES			LINE No.
						Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	
1		2	3	4	5	6	7	8	
ESTHERVILLE	Davis Rendering Plant	x -	- -	20 P	x -	x x	I -	West Fork of Des Moines River	1
EVERLY		547 -	540 -	S -	0.03 -	x x	CiBoLs -	Creek to Ocheyedan River	2
EXIRA		1,129 -	750 -	S -	0.075 -	x x	CiFsBo -	Davis Cr. to E. Nishnabotna River	3
FAIRFIELD		7,299 -	6,935 -	S -	0.7E -	8.625 0.484	ShCmFtrCpDfrhBo -	Crow Creek -	4
FAIRFIELD	Soybean Plant	x -	- -	28 B	x -	- -	None -	Cedar Creek to Skunk River	5
FARLEY		745 -	500 -	S -	0.05E -	x x	CsFsBo -	Kidders Creek to Lt. Maquoketa R.	6
FARMINGTON		899 -	300 -	x -	x -	- -	None -	Des Moines River -	7
FARRAGUT		495 -	350 -	S -	x -	- -	None -	East Nishnabotna River	8
FAYETTE		1,469 -	1,300 -	S -	0.062 -	2.5 0.15	ScShKmCmFtrCpDopBo -	Volga River -	9
FONDA		1,120 -	900 -	S -	0.04E -	x x	CiFsBo -	Ditch to Cedar Creek	10
FOREST CITY		2,766 -	2,500 -	S -	x -	2.6 0.13	ShCmFtnDcrhBo -	Lime Creek -	11
FOREST CITY	Forest City Canning Co.	x -	- -	20 C	x -	x x	SfI -	Land -	12
FORT DODGE		25,115 -	25,000 -	S -	1.3 -	36.0 3.5	SmGmOmKmxCmFtr CmEcgDefstBo	Des Moines River -	13
FORT MADISON		14,954 -	14,000 -	C -	x -	- -	None -	Mississippi River -	14
FORT MADISON	State Penitentiary	- 1.100-0	1,100 -	x -	x -	- -	None -	Mississippi River -	15
FREDERICKSBURG		701 -	560 -	S -	x -	x x	CiBo -	East Branch of Wapsipinicon R.	16
FREDERICKSBURG	Creamery	x -	- -	20 L	x -	- -	None -	East Branch of Wapsipinicon R.	17
GALVA		492 -	300 -	S -	x -	0.60 0.045	CiFtrCpBo -	Creek to Maple River	18
GALVA	Rendering Plant	x -	- -	20 P	x -	- -	None -	Maple River -	19
GARNAVILLO		581 -	x -	S -	x -	1.73 0.134	CmFtrDfBo -	Creek to Turkey River	20
GARNER		1,696 -	1,500 -	S -	x -	3.80 0.115	KaCmFtlhCmDfrhBo -	East Branch of Iowa River	21
GARRISON	Garrison Cannery	x -	- -	20 C	x -	x x	I -	Land -	22
GARWIN		518 -	350 -	S -	x -	0.566 0.018	CsFsBo -	Deer Creek to Iowa River	23
GEORGE		1,210 -	700 -	S -	x -	x x	CsFsBo -	Little Rock River -	24
GILMAN	Gilman Cannery	x -	- -	20 C	x -	x x	I -	Land -	25
GILMORE CITY		746 -	675 -	S -	0.03E -	x x	CsFtnBo -	Lizzard Creek -	26
GLADBROOK		862 -	580 -	S -	x -	- -	None -	Wolf Creek to Cedar River	27
GLENWOOD		4,664 -	2,500 -	S -	x -	- -	None -	Keg Creek -	28
GLENWOOD	Packing Plant	x -	- -	20 F	x -	- -	None -	Keg Creek -	29
GLENWOOD	State Hospital	- 2.000-2	2,000 -	S -	x -	2.2 0.286	ScCmFtrCpDfrhBo -	Keg Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	x	x	x	4	CFH			
	11	-	x	-	x	-		x		
2	MR	M693.5-	600E	x	x	2	C			
	12	227-34-12	300E	-	x	-		-		
3	MR	M560.8-12-	1,350E	x	x	2	CF			
	12	114	800E	-	x	-		x		
4	UM	x	8,000E	0	-	5	CH			
	11	-	3,000E	-	-	-		-		
5	UM	x	x	x	x	x	C			
	11	-	x	-	x	-		x		
6	UM	x	600E	x	x	4	c			
	8	-	200	-	x	-		x		
7	UM	x	500E	x	x	*0	CFHJ		*Based on discharge of	
	11	-	500E	-	x	-		x	raw sewage	
8	MR	M560.8-12-	350	x	x	*0	CF		*Based on discharge of	
	12	7	350	-	x	-		x	raw sewage	
9	UM	x	1,300	x	x	7	CF			
	8	-	x	-	x	-		-		
10	UM	x	1,200E	x	x	4	CH			
	11	-	900E	-	x	-		-		
11	UM	x	4,000E	x	x	1	cf			
	10	-	1,500E	-	x	-		x		
12	UM	-	x	-	-	7		-		
	10	-	-	-	-	-		-		
13	UM	x	90,000	x	x	1	CFHJ			
	11	-	12,000	-	x	-		-		
14	UM	M1365	150,000	x	x	0	AEFHK			
	11	-	150,000	-	x	-		x		
15	UM	M1368	1,100	x	x	0	AEFHK			
	11	-	1,100	-	x	-		x		
16	UM	x	x	x	x	4	CF			
	8	-	560E	-	x	-		x		
17	UM	x	400E	x	x	0	CF			
	8	-	400E	-	x	-		x		
18	MR	M693.5-13-	300	x	x	7	CF			
	12	56-3	80	-	x	-		x		
19	MR	M693.5-13-	x	x	x	0	CF			
	12	56	x	-	x	-		x		
20	UM	x	x	x	x	2	CF			
	8	-	x	-	x	-		-		
21	UM	x	x	x	x	7	C			
	10	-	500E	-	x	-		x		
22	UM	-	x	-	-	7		-		
	10	-	-	-	-	-		-		
23	UM	x	x	x	x	4	c N			
	10	-	150E	-	x	-		x		
24	MR	BS84.7-28-	700	0	-	4	cf N			
	7	8	400E	-	-	-		x		
25	UM	-	x	-	-	5		-		
	10	-	-	-	-	-		-		
26	UM	x	675E	0	-	2	CH			
	11	-	200E	-	-	-		-		
27	UM	x	600E	x	x	0	cf			
	10	-	600E	-	x	-		x		
28	MR	M604.5-11	2,500	0	-	0	c N			
	12		2,500	-	-	-		x		
29	MR	M604.5-11	16,200E	0	-	0	c N			
	12	-	16,200E	-	-	-		x		
30	MR	M604.5-11	2,000	0	-	7	C			
	12	-	200E	-	-	-		x		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
GLIDDEN		996 -	770 -	S -	0.102 -	2.1 0.124	[Ci][O]* FtrCpFs -	Willow Creek to Middle Raccoon R.	1
GOWRIE		1,052 -	800 -	S -	x -	2.0 0.184	ShCmFtrCpDp -	Capstan Ditch to Butterick Creek	2
GOWRIE	Creamery	x -	- -	20 L	x -	- -	None -	Capstan Ditch to Butterick Creek	3
GRAETTINGER		1,016 -	600 -	S -	x -	- -	None -	West Fork of Des Moines River	4
GRAND JUNCTION		1,036 -	950 -	S -	0.16E -	1.1 0.012	ScShCiFtrCpBo -	Butterick Creek -	5
GRAND MOUND		526 -	350 -	S -	x -	x x	CsFsBo -	Ditch to Wapsipinicon R.	6
GRANVILLE		350 -	250 -	S -	x -	x x	CiFsBo -	Willow Creek -	7
GREENE	East Plant	1,347 -	500 -	S -	x -	1.08 0.072	CiBo -	Shellrock Creek -	8
GREENE	West Plant	- -	500 -	S -	x -	x x	CsBo -	Shellrock Creek -	9
GREENFIELD		2,102 -	1,600 -	S -	x -	x x	ShCiFtrBo -	Nine Mile Creek -	10
GRIMES		582 -	x -	S -	x -	0.80 0.08	Sh(CpDop)*FtrCpBo -	Beaver Creek to Des Moines River	11
GRIMES	Canning Factory	x -	- -	20 C	x -	x x	I -	Land -	12
GRINNELL		6,828 -	5,000 -	S -	0.78 -	11.0 0.55	Gm[Sm][Sch](OaKa) CmFtrCmDfhrBo	Sugar Creek to North Skunk River	13
GRISWOLD		1,149 -	800 -	S -	x -	1.42 0.118	ShCiFtrCpBo -	Kewen Cr. to E. Nishnabotna River	14
GRUNDY CENTER		2,135 -	2,000 -	S -	x -	2.5 0.181	ShCmFtrCmDfhrBo -	Blackhawk Creek -	15
GRUNDY CENTER	Canning Factory	x -	- -	20 C	x -	x x	L -	Blackhawk Creek -	16
GUTHRIE CENTER		2,042 -	2,100 -	S -	x -	2.4 0.116	ShScCmFtrCmDcrhBoLs -	South Raccoon River	17
GUTTENBERG		1,912 -	1,530 -	S -	.115E -	- -	None -	Miners Creek -	18
HAMBURG		2,086 -	1,000 -	S -	x -	- -	None -	Nishnabotna River -	19
HAMPTON		4,432 -	3,500 -	S -	x -	9.56 0.59	G KmCmFtrCmDfhBo -	Squaw Creek to W. Fk. Cedar R.	20
HAMPTON	Hampton Cannery	x -	- -	20 C	0.134 -	x x	I -	Land -	21
HANCOCK		264 -	220 -	S -	x -	0.3 0.018	CiBo -	West Nishnabotna River	22
HARLAN		3,915 -	2,800 -	S -	x -	4.9 0.328	ScKaCmFtlhCpDfrhmBo -	West Nishnabotna River	23
HARLAN	Canning Plant	x -	- -	20 C	x -	x x	L -	West Nishnabotna River	24
HARRIS		319 -	300 -	S -	0.01 -	x x	CiFsBo -	Dry Run to Ocheyedan River	25
HARTLEY		1,611 -	1,600 -	S -	0.138 -	3.80 0.193	ScKmCmFtlhCpDfrhbo -	County Drain to Ocheyedan River	26
HAWARDEN		2,625 -	2,600 -	S -	x -	- -	None -	Big Sioux River -	27
HAWKEYE		511 -	400 -	S -	x -	x x	CsBo -	Dry Run to Branch of Volga River	28
HAZELTON	Hazelton Cheese Factory	x -	- -	20 I	x -	- -	None -	Otter Creek to Wapsipinicon R.	29
HINTON		345 -	200 -	S -	x -	- -	None -	Floyd River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	x	0	-	7	CF		*Creamery waste	
	11	-	100	-	-	-		x		
2	UM	x	2,000E	x	x	7	C			
	11	-	200E	-	x	-		-		
3	UM	x	300E	x	x	0	c N			
	11	-	300E	-	x	-		x		
4	UM	x	1,200E	x	x	0	cfh			
	11	-	1,200E	-	x	-		x		
5	UM	x	950E	0	-	7	CF			
	11	-	100E	-	-	-		-		
6	UM	x	x	0	-	4	cf N			
	8	-	100E	-	-	-		x		
7	MR	M758.3-	250	x	x	7	CF			
	12	32.9-4-19	150E	-	x	-		x		
8	UM	x	x	x	x	2	CF			
	10	-	350E	-	x	-		x		
9	UM	x	x	x	x	2	CF			
	10	-	350E	-	x	-		x		
10	MR	G64-140	2,300	x	x	7	C			
	13	-	500E	-	x	-		x		
11	UM	x	x	x	x	7	C		*Spirogestor	
	11	-	x	-	x	-		x		
12	UM	-	x	-	-	7		-		
	11	-	-	-	-	-		-		
13	UM	x	7,200E	0	-	7	C			
	11	-	720E	-	-	-		x		
14	MR	M560.8-12-	800	0	-	7	CF			
	12	75	100E	-	-	-		x		
15	UM	x	2,000E	0	-	7	CF			
	10	-	200E	-	-	-		-		
16	UM	x	x	x	x	4	cf			
	10	-	x	-	x	-		x		
17	UM	x	x	x	x	7	CF			
	11	-	400E	-	x	-		x		
18	UM	M1599-	1,530E	x	x	0	CEFHK			
	8	-	1,530E	-	x	-		-		
19	MR	M560.8-8	1,000E	x	x	0	CF			
	12	-	1,000E	-	x	-		x		
20	UM	x	5,800E	0	-	7	C			
	10	-	600E	-	-	-		x		
21	UM	-	3,900	-	-	7		-		
	10	-	-	-	-	-		-		
22	MR	M560.8-12-	220E	0	-	2	C			
	12	78.1	220E	-	-	-		x		
23	MR	M560.8-12-	3,700	0	-	7	C			
	12	101	400E	-	-	-		x		
24	MR	M560.8-12-	x	0	-	5	C			
	12	101	x	-	-	-		x		
25	MR	M693.5-	600E	0	-	7	C			
	12	227-34-13	100E	-	-	-		-		
26	MR	M693.5-	3,800	0	-	7	C			
	12	227-22	300	-	-	-		x		
27	MR	BS75	2,600E	x	x	*0	BCFIJ		*Based on discharge of	
	7	-	2,600E	-	x	-		x	raw sewage	
28	UM	x	x	0	-	4	c N			
	8	-	300E	-	-	-		x		
29	UM	x	400E	x	x	0	cfj N			
	8	-	400E	-	x	-		x		
30	MR	M758.3-	200E	x	x	*0	CF		*Based on discharge of	
	12	14.8	200E	-	x	-		x	raw sewage	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
HOLSTEIN		1,336 -	1,300 -	S -	.075E -	1.30 0.05	CiFtrBo -	Battle Creek to Maple River	1
HOSPERS		604 -	400 -	S -	x -	x x	CsBo -	Floyd River -	2
HUDSON		613 -	x -	S -	x -	2.184 0.082	ShCpCmFthCmDfpBo -	Blackhawk Creek to Cedar River	3
HUDSON	Hudson Creamery	x -	- -	20 L	x -	- -	None -	Blackhawk Creek -	4
HULL		1,127 -	1,000 -	S -	0.024 -	3.0 0.141	ShCmFtrCpDfhrBo -	Creek to Rock River	5
HULL	Creamery	x -	- -	20 L	x -	x x	L -	West Branch of Floyd River	6
HUMBOLDT		3,219 -	2,965 -	S -	x -	2.625 0.17	ScGhCiFtrCpBo -	West Fork of Des Moines River	7
HUMESTON		750 -	500 -	S -	x -	0.9 0.045	GhCiFtnBo -	Nine Mile Cr. to S. Chariton River	8
IDA GROVE		2,202 -	2,200 -	S -	0.2 -	2.5 0.15	ShGhCmFtrCmDchmBo -	Maple River -	9
INDEPENDENCE		4,865 -	3,500 -	S -	0.3 -	8.12 0.61	SmKmCmFtrCmEgDfrhRoBo	Wapsipinicon R. -	10
INDEPENDENCE	Mental Health Institute	- 2.200-5	2,200 -	S -	0.354 -	3.38 0.43	ShGhCmFtrDfhrBo -	Wapsipinicon R. -	11
INDIANOLA		5,145 -	5,100 -	S -	x -	6.3 0.315	SgCmFtrDfhBo -	Creek to Middle River	12
INWOOD		644 -	600 -	S -	0.03E -	x x	CiFsBo -	Creek to Big Sioux River	13
IOWA CITY ☆		27,212 -	30,000 -	S -	3.25 -	28.5 3.55	GmSmCmFtrCmDfrhtBoLs -	Iowa River -	14
IOWA CITY	Rendering Plant	x -	- -	20 P	x -	- -	None -	Iowa River -	15
IOWA FALLS		4,900 -	3,300 -	S -	x -	4.11 0.380	ShCiFtrBo -	Iowa River -	16
IOWA GREAT LAKES S.D. ☆		- -	W-4,000 S-30,000	S -	x -	x x	ScCm(AaCm)DcrhtsBo -	Creek to Little Sioux River	17
JANESVILLE		445 -	350 -	S -	x -	0.3 0.015	CiFtnCpBo -	Quarter Section Run to Cedar R.	18
JEFFERSON		4,326 -	3,500 -	S -	x -	6.0 0.360	SgKaCmFtrCmDfghrBo -	Creek to Raccoon River	19
JESUP		1,158 -	900 -	S -	x -	2.2 0.074	CiFtrCpBo -	Spring Creek to Cedar River	20
JEWELL		973 -	500 -	S -	0.040 -	x x	CiFsBo -	Skunk River -	21
KANAWHA		747 -	500 -	S -	x -	x x	CiFsBo -	Otter Creek to Boone River	22
KANAWHA	Creamery	x -	- -	20 L	x -	- -	None -	Otter Creek to Boone River	23
KEOKUK		16,144 -	15,000 -	C -	x -	- -	None -	Mississippi River -	24
KEOSAUQUA		1,101 -	500 -	x -	x -	- -	None -	Des Moines River -	25
KEOTA		1,145 -	x -	S -	0.05 -	1.38 0.102	CiFtrCpBo -	Dutch Creek to Skunk River	26
KEYSTONE		438 -	350 -	S -	x -	0.60 0.03	ScCiFtrCpBo -	Prairie Creek to Cedar River	27
KINGSLEY		1,098 -	1,000 -	S -	0.06E -	x x	CsFsBo -	West Fork of Little Sioux R.	28
KIRON		255 -	230 -	S -	0.02 -	0.396 0.025	ShCiFtrBo -	Otter Creek to Boyer River	29
KLEMME		555 -	350 -	S -	x -	x x	CiFtnBo -	Land -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR 12	M693.5-13- 36-12	1,500E 500E	0 -	- -	7 -	CH	 -		
2	MR 12	M758.3-63 -	400 300	x -	x x	4 -	CF	 x		
3	UM 10	x -	x x	x -	x x	7 -	CF	 x		
4	UM 10	x -	2,700E 2,700E	x -	x x	0 -	cf	 x		
5	MR 7	BS84.7-16- 8	2,500 400E	0 -	- -	4 -	CF	 -		
6	MR 12	M758.3-23- -	800E 800E	x -	x x	4 -	CF	 x		
7	UM 11	x -	x 600E	x -	x x	7 -	CFH	 x		
8	MR 13	C223-30 -	500 150	0 -	- -	1 -	CF	 x		
9	MR 12	M693.5-13- 44	3,200 400E	x -	x x	7 -	CF	 -		
10	UM 8	x -	4,430E 500E	x -	x x	7 -	CF	 x		
11	UM 8	x -	2,300 x	x -	x x	2 -	CF	 x		
12	UM 11	x -	5,100E 500E	0 -	- -	7 -	CF	 -		
13	MR 7	BS135-10 -	600 250	0 -	- -	7 -	CH	 -		
14	UM 10	x -	42,000 3,250	50 -	x x	1 -	CFHJB	 -		
15	UM 10	x -	x x	x -	x x	7 -	CF	 x		
16	UM 10	x -	x 800E	x -	x x	7 -	CF	 x		
17	MR 12	M693.5- 255-6	*4,000 *900	0 -	- -	1 -	CF	 x	*Winter data. In Summer 30,000(top),7,000(bottom)	
18	UM 10	x -	x 70E	x -	x x	5 -	CF	 x		
19	UM 11	x -	x 1,000E	0 -	- -	7 -	CF	 x		
20	UM 10	x -	2,000E 400E	0 -	- -	7 -	C	 x		
21	UM 11	x -	x 200E	0 -	- -	7 -	C	 x		
22	UM 11	x -	x 200E	x -	x x	2 -	C	 x		
23	UM 11	x -	300E 300E	x -	x x	0 -	C	 x		
24	UM 11	M1347 -	x x	x -	x x	*0 -	EFHK	 x	*Based on discharge of raw sewage	
25	UM 11	x -	1,000E 1,000E	x -	x x	*0 -	CFHJ	 x	*Based on discharge of raw wastes	
26	UM 11	x -	580 x	0 -	- -	7 -	C	 x		
27	UM 10	x -	x 50E	0 -	- -	7 -	C	 x		
28	MR 12	M693.5-23- 54	1,000E 600E	x -	x x	4 -	CH	 -		
29	MR 12	M651-38-10 -	230E 20E	0 -	- -	7 -	C	 -		
30	UM 10	- -	x -	- -	- -	5 -		- -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION / ESTIMATED POPULATION / NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM / IND. GROUP / WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) / Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
KLEMME	Klemme Co-op Creamery	x -	- -	20 L	x -	x x	Lo -	Land -	1
KNOXVILLE		7,625 -	4,000 -	S -	x -	9.0 0.504	ShKaGhCmFtrCmDfrhBo -	Competine Cr. to Des Moines River	2
KNOXVILLE	Knoxville Vet. Hospital	- 2.000-0	2,000 -	S -	0.298 -	x x	ShCpFtnCpEgDopBo -	Whitebreast Cr. to Des Moines R.	3
LAKE CITY	North Plant	2,308 -	1,570 -	C -	0.105 -	2.0 0.15	ShCmFtrCiFtnCpDfpBo -	Lake Creek to Raccoon River	4
LAKE CITY	West Plant	- -	1,000 -	S -	x -	1.25 0.075	CiFtnBo -	Lake Creek to Raccoon River	5
LAKE CITY	Rendering Plant	x -	- -	20 P	x -	x x	Cs -	Lake Creek to Raccoon River	6
LAKE MILLS		1,560 -	1,500 -	S -	x -	4.1 0.134	CmFtlhCmDcrhBo -	Ditch to Lime Creek	7
LAKE MILLS	Cool Springs Cannery	x -	- -	20 C	x -	x x	Sf -	Ditch to Lime Creek	8
LAKE PARK		924 -	875 -	S -	0.055 -	x x	CiFsBo -	Silver Creek to Little Sioux R.	9
LAKESIDE		219 -	150 -	C -	x -	x x	CsIsu -	Creek to Raccoon River	10
LAKEVIEW		1,158 -	1,000 -	S -	0.1 -	1.3 0.054	CiFtrCpBoLs -	Indian Creek -	11
LAMBS GROVE		- x	60 -	S -	x -	x x	GhCiFtn -	Cherry Creek to Skunk River	12
LAMONI		2,196 -	1,600 -	S -	x -	x x	ShCiFtnBo -	Seven Mile Creek -	13
LANGWORTHY	Langworthy Creamery	x -	- -	20 L	x -	- -	None -	Maquoketa River -	14
LANSING		1,536 -	1,480 -	C -	0.074 -	- -	None -	Mississippi River -	15
LA PORTE CITY		1,770 -	1,470 -	S -	x -	4.5 0.115	GhCmFtrCmDcrhBo -	Big Creek to Cedar River	16
LAURENS		1,556 -	1,550 -	S -	0.0 -	2.43 0.132	ShCmFtrCpDfhrBo -	Big Cedar Creek -	17
LEHIGH		881 -	400 -	S -	x -	- -	None -	Des Moines River -	18
LE MARS		5,844 -	5,500 -	S -	x -	- -	None -	Floyd River -	19
LE MARS	Rendering Plant	x -	- -	20 P	x -	- -	None -	Floyd River -	20
LENOX		1,171 -	800 -	S -	x -	x x	CsBo -	East Fork of 102 River	21
LEON		2,139 -	1,800 -	S -	0.048 -	2.04 0.047	ShGhKmCmFtrCpDcorhBo -	McGrunder Creek to Grand River	22
LIME SPRINGS		551 -	500 -	S -	x -	x x	ScCpFtnCpDcpBo -	Upper Iowa River -	23
LINN GROVE		320 -	200 -	S -	x -	- -	None -	Little Sioux River	24
LINN GROVE	Rendering Plant	x -	- -	20 P	x -	x x	Cs -	Little Sioux River	25
LISBON		952 -	720 -	S -	x -	x x	CiFsBo -	Dry Run to Cedar River	26
LITTLE ROCK		533 -	400 -	S -	0.024 -	x x	CiFtnBo -	Little Rock River -	27
LIVERMORE		615 -	500 -	S -	x -	x x	CiFtnBo -	Lotts Cr. to E. Fk. Des Moines R.	28
LOGAN		1,550 -	1,400 -	S -	x -	- -	None -	Boyer River -	29
LOHRVILLE		698 -	650 -	S -	x -	x x	CiFsBo -	Cedar Creek to Raccoon River	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE (15)	PRESENT / FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM	-	x	-	-	7		-		
	10	-	-	-	-	-		-		
2	UM	x	x	0	-	7	C			
	11	-	400E	-	-	-		x		
3	UM	x	2,100	0	-	7	C			
	11	-	250	-	-	-		x		
4	UM	x	x	x	x	7	C			
	11	-	x	-	x	-		x		
5	UM	x	x	0	-	5	C			
	11	-	300E	-	-	-		x		
6	UM	x	x	x	x	4	c N			
	11	-	200E	-	x	-		x		
7	UM	x	x	0	-	1	c N			
	10	-	400E	-	-	or5		x		
8	UM	x	8,000E	0	-	0	c N			
	10	-	8,000E	-	-	-		x		
9	MR	M693.5-	1,000E	0	-	2	CH			
	12	270-14	400E	-	-	-		-		
10	UM	x	150E	0	-	7	C			
	11	-	50E	-	-	-		x		
11	UM	x	1,000E	0	-	1	C			
	11	-	150E	-	-	-		-		
12	UM	x	60E	0	-	5	cf			
	11	-	20E	-	-	-		x		
13	MR	G108-20-33	3,800E	0	-	4	c N			
	13	-	1.800E	-	-	-		x		
14	UM	x	x	x	x	0	cf N			
	8	-	x	-	x	-		x		
15	UM	M1647	1,480E	x	x	0	CFHK			
	6	-	1,480E	-	x	-		-		
16	UM	x	*3,020E	0	-	7	CF		*Includes PE of seasonal cannery waste	
	10	-	*900E	-	-	-		x		
17	UM	x	1,550E	0	-	7	C			
	11	-	200E	-	-	-		-		
18	UM	x	400E	x	x	0	CFHJ			
	11	-	400E	-	x	-		x		
19	MR	M758.3-	6,500	x	x	*0	CF		*Based on discharge of raw sewage	
	12	32.9	6,500	-	x	-		x		
20	MR	M758.3-	x	x	x	*0	CF		*Based on discharge of raw waste	
	12	32.9	x	-	x	-		x		
21	MR	M402.5-79-	800	x	x	4	c N			
	12	32-34	800	-	x	-		x		
22	MR	G64-28-	2,400	0	-	7	C			
	13	35-24	300E	-	-	-		x		
23	UM	x	x	x	x	7	CF			
	6	-	100E	-	x	-		x		
24	MR	M693.5-182	200	x	x	0	cf N			
	12	-	200	-	x	-		x		
25	MR	M693.5-182	400E	x	x	7	cf N			
	12	-	300E	-	x	-		x		
26	UM	x	x	0	-	7	C			
	10	-	250E	-	-	-		x		
27	MR	BS84.7-28-	400E	x	x	1	CF			
	7	24	150E	-	x	-		x		
28	UM	x	x	0	-	7	CFH			
	11	-	125E	-	-	-		x		
29	MR	M651-31.3	2,000E	x	x	*0	C		*Based on discharge of raw sewage	
	12	-	2,000E	-	x	-		x		
30	UM	x	650E	0	-	4	C			
	11	-	100E	-	-	-		x		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
LOST NATION		557 -	450 -	S -	x -	x x	CiFtnBo -	Lost Nation Ditch to Wapsipinicon R	1
LOWDEN		642 -	640 -	S -	x -	0.825 0.103	ShCiFtrCpBo -	Yankee Run Creek to Wapsipinicon R	2
LUANA	Luana Dairy	x -	- -	20 L	x -	x x	x -	Roberts Creek to Turkey River	3
LYTTON	Lytton Creamery	11 -	- -	20 L	0.017 -	0.7 0.020	OCpFthCpBoHo -	Camp Creek -	4
McGREGOR		1,138 -	1,000 -	S -	x -	- -	None -	Mississippi River -	5
MADRID		1,829 -	1,700 -	S -	x -	x x	CsFtnCpBo -	Creek to Des Moines River	6
MALVERN		1,263 -	1,250 -	S -	x -	- -	None -	Silver Creek -	7
MANCHESTER		3,987 -	3,200 -	S -	x -	5.4 0.520	ScGmKmCmFtrCmDfrhLs -	Maquoketa River -	8
MANILLA		1,035 -	700 -	S -	x -	x x	CsFsBo -	West Fork of West Nishnabotna River	9
MANLY		1,473 -	1,100 -	S -	x -	1.5 0.060	ScCiFthCpBo -	Creek to Shell Rock River	10
MANNING		1,801 -	1,200 -	S -	x -	2.0 0.132	ShCiFtnCpBo -	West Nishnabotna River	11
MANSON		1,622 -	1,100 -	S -	x -	x x	CiFsBo -	Cedar Creek to Raccoon River	12
MAPLETON		1,8[illegible]7 -	1,400 -	S -	x -	x x	CsFsBo -	Maple River -	13
MAQUOKETA		4,307 -	3,200 -	C -	x -	- -	None -	Maquoketa River -	14
MARCUS		1,263 -	1,200 -	S -	0.05 -	x x	CiFsBo -	Creek to West Fk. of Little Sioux R	15
MARENGO		2,151 -	1,800 -	S -	x -	- -	None -	Iowa River -	16
MARION		5,916 -	3,500 -	S -	0.274 -	x x	ShGhCiFtrCpBo -	Indian Creek to Cedar River	17
MARQUETTE		641 -	600 -	S -	x -	- -	None -	Mississippi River -	18
MARSHALLTOWN		19,821 -	18,000 -	S -	x -	89.5 3.85	GwShScKmCmAaCmEg DefrhLsZc	Iowa River -	19
MARSHALLTOWN	Rendering Works	x -	- -	20 P	x -	x x	Cp -	Iowa River -	20
MASON CITY		27,980 -	25,600 -	S -	2.667 -	x x	SmGhCiFtnCiLs -	Lime Creek -	21
MASON CITY	Beet Sugar Plant	x -	- -	20 A	x -	x x	Lo 10 -	Lime Creek -	22
MASON CITY	Decker Meat Packing Co.	x -	- -	20 P	x -	x x	ShCpKmCmFthCmFtnCmL -	Lime Creek -	23
MASON CITY	Rendering Plant	x -	- -	20 P	x -	- -	None -	Lime Creek -	24
MAURICE		256 -	210 -	S -	x -	x x	CiBo -	West Branch of Floyd River	25
MAXWELL		802 -	800 -	S -	x -	1.2 0.066	CiFtrCpBo -	Rock Creek -	26
MECHANICSVILLE		850 -	800 -	x -	x -	1.05 0.050	ShCiFtrCpBo -	Clear Creek to Cedar River	27
MEDIAPOLIS		834 -	400 -	x -	x -	- -	None -	Hawkeye Creek to Mississippi River	28
MELBOURNE		510 -	300 -	S -	x -	0.50 0.03	ShCiFtrCpBo -	Creek to North Skunk River	29
MELCHER		898 -	175 -	S -	x -	0.175 .0035	CsFsBo -	English Creek to Des Moines River	30

(1)

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE No.	DRAINAGE BASIN / SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE (11)	MINIMUM FLOW CFS (12)	Duration (Days) / Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE (15)	PRESENT / FUTURE	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM	x	x	0	-	7	CF			
	8	-	100E	-	-	-		x		
2	UM	x	x	x	x	7	C			
	8	-	x	-	x	-		x		
3	UM	x	x	x	x	x		x		
	8	-	x	-	x	-		x		
4	UM	x	700E	0	-	5	c N			
	11	-	490E	-	-	-		-		
5	UM	M1617	1,000E	x	x	*0	EFHK		*Based on discharge of	
	6	-	1,000E	-	x	-		x	raw sewage	
6	UM	x	x	0	-	7	CFJ			
	11	-	400E	-	-	-		x		
7	MR	M560.8-12-	2,000E	0	-	0	C			
	12	32-5	2,000E	-	-	-		x		
8	UM	x	5,000E	x	x	7	CFJ			
	8	-	500E	-	x	-		x		
9	MR	M560.8-12-	700E	0	-	5	C			
	12	101-13	500	-	-	-		x		
10	UM	x	1,100E	0	-	7	C			
	10	-	250E	-	-	-		x		
11	MR	M560.8-12-	1,200	0	-	1	c N			
	12	127.2	300	-	-	-		x		
12	UM	x	x	0	-	2	c			
	11	-	500E	-	-	-		x		
13	MR	M693.5-13-	2,200	x	x	4	CF			
	12	16	700E	-	x	-		x		
14	UM	x	7,000E	x	x	0	cf			
	8	-	7,000E	-	x	-		x		
15	MR	M693.5-23-	1,200E	0	-	4	C N			
	12	67	900E	-	-	-		-		
16	UM	x	1,800E	x	x	0	cf			
	10	-	1,800E	-	x	-		x		
17	UM	x	x	0	-	2	C			
	10	-	400E	-	-	-		x		
18	UM	M1618	600E	x	x	0	EFHK			
	6	-	600E	-	x	-		x		
19	UM	x	50,000E	x	x	7	CF			
	10	-	500E	-	x	-		x		
20	UM	x	x	x	x	7	CF			
	10	-	x	-	x	-		x		
21	UM	x	x	x	x	1	CF			
	10	-	3,500	-	x	-		x		
22	UM	x	x	x	x	7	CF			
	10	-	x	-	x	-		x		
23	UM	x	x	x	x	7	CF			
	10	-	3,000E	-	x	-		x		
24	UM	x	x	x	x	*0	CF		*Based on discharge of	
	10	-	x	-	x	-		x	raw waste	
25	MR	M758.3-23-	210	x	x	2	CF			
	12	19	150E	-	x	-		x		
26	UM	x	800E	x	x	7	C			
	11	x	100E	-	x	-		-		
27	UM	x	800E	0	-	7	C			
	10	-	100E	-	-	-		x		
28	UM	x	400E	x	x	*0	c N		*Based on discharge of	
	11	-	400E	-	x	-		x	raw sewage	
29	UM	x	x	0	-	7	C			
	11	-	50	-	-	-		x		
30	UM	x	x	0	-	5	c			
	11	-	30E	-	-	-		x		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
MERRILL		605 -	400 -	S -	x -	- -	None -	Floyd River -	1
MIDDLETOWN		229 -	100 -	S -	x -	0.50 0.025	CiFsBo -	Flint Creek to Mississippi River	2
MILFORD		1,375 -	(1,325) -	S -	0.1 -	- -	See Iowa Great Lakes S. D.	Creek to Little Sioux River	3
MINBURN		353 -	220 -	S -	x -	- -	None -	Dry Run to Raccoon River	4
MISSOURI VALLEY		3,546 -	3,200 -	S -	x -	- -	None -	Willow Creek to Boyer River	5
MITCHELLVILLE		906 -	x -	S -	x -	1.5 0.154	ShCiFtrCpBo -	Camp Creek to Des Moines River	6
MONONA	North Plant	1,346 -	512 -	S -	0.036 -	0.55 0.020	CsFsBo -	Dry Creek to Turkey River	7
MONONA	South Plant	- -	768 -	S -	0.054 -	x x	CiFsBo -	Dry Creek to Yellow River	8
MONROE		1,108 -	1,000 -	S -	x -	1.2 0.072	ShCiFtrCpBo -	Creek to Skunk River	9
MONTEZUMA		1,460 -	1,000 -	S -	x -	x x	CiFsBo -	Moon Creek to North Skunk River	10
MONTICELLO		2,888 -	1,900 -	S -	x -	2.30 0.184	ShGh(KmCm)FtrCpDfrh HoBo	Maquoketa River -	11
MONTROSE		643 -	372 -	S -	x -	0.37 0.011	Cs -	Mississippi River -	12
MORNING SUN	Rendering Plant	x -	- -	20 P	x -	x 0.144	O CpFth* -	Small Creek to Iowa River	13
MOULTON		985 -	540 -	S -	x -	x x	CiFtnBo -	North Fabius River	14
MT. AYR	Northwest Plant	1,793 -	300 -	S -	x -	x x	CsFtn -	Middle Fork of Grand River	15
MT. AYR	South Plant	- -	300 -	S -	x -	x x	Cs -	Middle Fork of Grand River	16
MT. AYR	Southeast Plant	- -	300 -	S -	x -	x x	CsFtn -	Middle Fork of Grand River	17
MT. AYR	Southwest Plant	- -	300 -	S -	x -	x x	CsFtn -	Middle Fork of Grand River	18
MT. PLEASANT		5,843 -	4,700 -	SC -	0.35 -	4.5 0.225	ShGhCiFtnBo -	Saunders Creek -	19
MT. PLEASANT	Mental Health Institute	- 2.200-5	2,200 -	S -	0.31 -	3.38 0.43	GhCiFtnBo -	Big Creek to Skunk River	20
MT. VERNON		2,320 -	1,300 -	S -	x -	3.8 0.223	ShGhCmFthCiFsDfnrBo -	Creek to Cedar River	21
MOVILLE		964 -	900 -	S -	0.158 -	x x	CsLs -	West Fork of Little Sioux R.	22
MUSCATINE		19,041 -	16,000 -	C -	x -	- -	None -	Mississippi River -	23
NASHUA		1,609 -	1,000 -	C -	x -	1.48 0.078	CiFtrCpBo -	Cedar River -	24
NEOLA		839 -	700 -	S -	x -	0.87 0.043	CiFtnBo -	Mosquito Creek -	25
NEVADA		3,763 -	3,000 -	S -	x -	4.50 0.16	ShGhCmFtrCpFsDhmrcpt LsBo	West Branch of Indian Creek	26
NEWELL		884 -	730 -	S -	x -	x x	ShCiFtnCpBo -	Creek to Raccoon River	27
NEWELL	Creamery	x -	- -	20 L	x -	- -	None -	Creek to Raccoon River	28
NEW HAMPTON		3,323 -	2,000 -	S -	x -	x x	CiFtnCpBo -	Cr. to E. Br. of Wapsipinicon R.	29
NEW LONDON		1,510 -	150 -	C -	x -	- -	None -	Mud Creek to Skunk River	30

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STATE	YEAR	PAGE
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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR	M758.3-22	400E	x	x	*0	CF	*Based on discharge of	
	12	-	400E	-	x	-	x	raw sewage	
2	UM	x	x	0	-	2	C		
	11	-	30E	-	-	5	x		
3	MR	-	-	-	-	-	-		
	12	-	-	-	-	-	-		
4	UM	x	220E	0	-	*0	C	*Based on discharge of	
	11	-	220E	-	-	-	x	raw sewage	
5	MR	M651-11.6-7	3,200E	0	-	*0	C	*Based on discharge of	
	12		3,200E	-	-	-	x	raw sewage	
6	UM	x	x	x	x	7	C		
	11	-	x	-	x	-	x		
7	UM	x	512E	0	-	7	C		
	8	-	50E	-	-	-	-		
8	UM	x	768E	0	-	7	C		
	6	-	100E	-	-	-	x		
9	UM	x	1,000E	0	-	7	C		
	11	-	100E	-	-	-	x		
10	UM	x	1,000E	0	-	4	CF		
	11	-	100E	-	-	-	x		
11	UM	x	3,850E	x	x	7	CF		
	8	-	400E	-	x	-	x		
12	UM	x	372E	x	x	x	ABEHJK		
	11	-	310E	-	x	-	-		
13	UM	x	x	0	-	4	cf N	*Recirculating-backwash	
	10	-	x	-	-	-	x	type filter	
14	UM	x	x	0	-	5	C		
	12	-	100E	-	-	-	x		
15	MR	G142-41	300E	0	-	4	c N		
	13	-	250E	-	-	-	x		
16	MR	G142-41	300E	0	-	4	c N		
	13	-	250E	-	-	-	x		
17	MR	G142-41	300E	0	-	4	c N		
	13	-	250E	-	-	-	x		
18	MR	G142-41	300E	0	-	4	c N		
	13	-	250E	-	-	-	x		
19	UM	x	4,700E	0	-	1	CH		
	11	-	1.540E	-	-	-	-		
20	UM	x	2,200	x	x	7	C		
	11	-	x	-	x	-	x		
21	UM	x	x	0	-	7	C		
	10	-	100E	-	-	-	x		
22	MR	M693.5-23-44	925E	0	-	4	CFH		
	12		700E	-	-	-	-		
23	UM	M1439	x	x	x	*0	AEFHK	*Based on discharge of	
	10	-	x	-	x	-	x	raw sewage	
24	UM	x	1,000E	x	x	7	CFJ		
	10	-	150E	-	x	-	x		
25	MR	M622.3-26	700E	0	-	2	C		
	12	-	550E	-	-	-	x		
26	UM	x	3,500E	0	-	5	CF		
	11	-	700E	-	-	-	-		
27	UM	x	1,300E	0	-	1	c		
	11	-	200E	-	-	-	x		
28	UM	x	300E	0	-	*0	c	*Based on discharge of	
	11	-	300E	-	-	-	x	raw sewage	
29	UM	x	x	0	-	1	cf N		
	8	-	800E	-	-	-	x		
30	UM	x	150E	0	-	0	c N		
	11	-	150E	-	-	-	x		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
NEW SHARON		1,089 -	800 -	S -	0.109 -	1.26 0.131	ShCmFtrCpDfpBo -	Dry Creek to North Skunk River	1
NEWTON	Northwest Plant	- -	1,150 -	S -	0.623 -	x x	GhCiFtnCpBo -	Cherry Creek to Skunk River	2
NEWTON	South Plant	11,723 -	6,000 -	S -	0.765 -	22.5 3.1	ShScGmKaCmFtr CmDfhrBo	Sewer Creek -	3
NEWTON	Southwest Plant	- -	5,500 -	S -	0.475 -	x x	ShCiFtnCpBo -	Cherry Creek to Skunk River	4
NORA SPRINGS		1,257 -	900 -	x -	x -	- -	None -	Shellrock River -	5
NORTH ENGLISH		853 -	800 -	S -	0.051 -	2.0 0.725	ShCpFtrCpDopBo -	South Fork of Little Creek	6
NORTHWOOD		1,767 -	1,400 -	S -	x -	x x	CsBo -	Shellrock River -	7
NORTHWOOD	Creamery	x -	- -	20 L	x -	- -	None -	Shellrock River -	8
OAKDALE	Tuberculosis Sanitarium	- 750-5	750 -	S -	0.094 -	1.125 0.113	GhScKmxCmFtrCpEcg DfhBo	Ditch to Clear Creek to Iowa R.	9
OAKLAND		1,296 -	1,000 -	S -	x -	- -	None -	West Nishnabotna River	10
OAKLAND	Rendering Plant	x -	- -	20 P	x -	- -	None -	West Nishnabotna River	11
OCHEYEDAN		700 -	650 -	S -	0.02E -	x x	CiFtnBo -	Ocheyedan Creek -	12
ODEBOLT		1,279 -	x -	S -	x -	2.058 0.187	CsFsBo -	Odebolt Creek to Maple River	13
OELWEIN		7,858 -	6,900 -	S -	0.8 -	12.0 0.95	ScGmKmCmFtnCmEg DrhfBo	Otter Creek -	14
OELWEIN	Railroad Yard	x -	- -	34 G	x -	x x	11 (Oil interceptor)	Otter Creek -	15
OGDEN		1,486 -	1,100 -	S -	x -	x x	CsFtnCpBo -	Beaver Creek to Des Moines River	16
OGDEN	Northern Natural Gas	x -	- -	29 C	x -	- -	None -	Beaver Creek to Des Moines River	17
OKOBOJI		336 -	(W-750) (S-2,315)	S -	- -	- -	See Iowa Great Lakes S.D.	Creek to Little Sioux River	18
OLIN		626 -	430 -	S -	x -	- -	None -	Walnut Creek -	19
ONAWA		3,498 -	3,000 -	S -	x -	5.3 0.346	SgCmFtrCmDhrf -	Monona - Harrison Ditch	20
ORANGE CITY		2,166 -	2,100 -	S -	0.12 -	x 0.15	CiFtnCpBo -	Creek to Floyd River	21
ORANGE CITY	Creamery	x -	- -	20 L	x -	- -	None -	Creek to W. Br. of Floyd River	22
ORLEANS		317 -	(300) -	S -	x -	- -	See Iowa Great Lakes S. D.	Creek to Little Sioux River	23
OSAGE		3,436 -	3,436 -	S -	x -	5.07 0.337	GhShCmFtrCmHcBo -	Sugar Creek to Cedar River	24
OSAGE	Osage Rendering Plant	x -	- -	20 P	x -	x x	Cs -	Cedar River -	25
OSCEOLA		3,422 -	2,600 -	S -	x -	3.0 0.225	ShCmFtrCpDcrhBc -	Branch of Whitebreast Creek	26
OSKALOOSA	North Plant	11,124 -	6,500 -	S -	x -	6.50 0.57	S GhCmFtrCpDcmrhBo -	Creek to Skunk River	27
OSKALOOSA	South Plant	- -	6,500 -	S -	0.6 -	6.5 0.57	S GhCmFtrCpDcmrhBo -	Creek to Des Moines River	28
OSSIAN	Northeast Plant	804 -	110 -	S -	x -	x x	CsFsBo -	Creek to Yellow River	29
OSSIAN	Northwest Plant	- -	110 -	S -	x -	x x	CsFsBo -	Creek to Yellow River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (000) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 11	x -	800E 100E	0 -	- -	7 -	C	-		
2	UM 11	x -	3,300 300E	0 -	- -	1 -	cf	x		
3	UM 11	x -	10,000 1,500E	0 -	- -	7 -	CL	-		
4	UM 11	x -	5,500E 800E	0 -	- -	1 -	cf	x		
5	UM 10	x -	1,000E 1,000E	x -	x x	0 -	CF	x		
6	UM 10	x -	1,500E 200E	0 -	- -	7 -	CH	-		
7	UM 10	x -	x 800E	x -	x x	4 -	CF	x		
8	UM 10	x -	200E 200E	x -	x x	*0 -	CF	x	*Based on discharge of raw wastes	
9	UM 10	x -	845E 47E	x -	x x	7 -	C	x		
10	MR 12	M560.8-12- 70	1,000E 1,000E	0 -	- -	*0 -	C	x	*Based on discharge of raw sewage	
11	MR 12	M560.8-12- 70	x x	0 -	- -	*0 -	C	x	*Based on discharge of raw waste	
12	MR 12	M693.5- 227-42	700 300E	0 -	- -	2 -	c N	-		
13	MR 12	M693.5-13- 14-12	x x	0 -	- -	7 -	C	-		
14	UM 8	x -	14,000E 1,500E	x -	x x	7 -	CFJ	-		
15	UM 8	x -	x x	x -	x x	7 -	CFJ	-		
16	UM 11	x -	x 250E	0 -	- -	1 -	CF	x		
17	UM 11	x -	x x	0 -	- -	*0 -	cf	x	*Based on discharge of raw sewage	
18	MR 12	- -	- -	- -	- -	- -		- -		
19	UM 8	x -	730E 730E	x -	x x	0 -	CF	x		
20	MR 12	M693.5-6 -	3,210 480	0 -	- -	7 -	CL	x		
21	MR 12	M758.3-23- 15.5-11	2,250E 500E	x -	x x	1 -	cFN	-		
22	MR 12	M758.3-23- 15.5-11	500E 500E	x -	x x	0 -	c N	-		
23	MR 12	- -	- -	- -	- -	- -		- -		
24	UM 10	x -	x x	x -	x x	1 -	c	x		
25	UM 10	x -	x x	x -	x x	4 -	CF	x		
26	UM 11	x -	3,000E 500E	x -	x x	7 -	C	x		
27	UM 11	x -	x 1,800E	x -	x x	7 -	CF	x		
28	UM 11	x -	x 1,900	x -	x x	7 -	C	x		
29	UM 6	x -	x 50E	x -	x x	5 -	C	x		
30	UM 6	x -	x 50E	x -	x x	5 -	C	x		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1957	14 of 19

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
OSSIAN	Southeast Plant	- -	400 -	S -	0.02 -	0.94 0.075	SmCpFthCpFsDforhBo -	Creek to Turkey River	1
OSSIAN	Southwest Plant	- -	110 -	S -	x -	x x	CsFsBo -	Creek to Turkey River	2
OTTUMWA		33,631 -	35,000 -	C -	x -	- -	None -	Des Moines River -	3
OXFORD JUNCTION		663 -	300 -	S -	x -	- -	None -	Wapsipinicon River	4
PANORA		1,062 -	700 -	S -	x -	- -	None -	Middle Raccoon River	5
PARKERSBURG		1,300 -	x -	S -	x -	1.2 0.06	GhSoCiFtrCpBo -	Beaver Creek to Cedar River	6
PARKERSBURG	Parkersburg Creamery	x -	- -	20 L	x -	- -	None -	Beaver Creek to Cedar River	7
PAULLINA		1,289 -	1,000 -	S -	x -	x x	Cs -	Mill Creek to Little Sioux R.	8
PELLA	Main Plant	4,427 -	2,500 -	S -	x -	7.4 0.49	Sm[Cm][Ci]FtrCmFtn CmDfrBo	Creek to Skunk River	9
PELLA	Southwest Plant	- -	200 -	S -	x -	0.50 0.043	CiFtrCpBo -	Creek to Des Moines River	10
PERRY		6,174 -	5,000 -	S -	0.7 -	8.5 0.75	ShGmKmCmFtrDfrhBo -	Raccoon River -	11
PERRY	Arnold Packing Co.	x -	- -	20 EF	x -	x x	Cm -	Beaver Creek to Des Moines River	12
PERRY	Davidson Chemical Company	x -	- -	28 x	x -	- x	L -	Lagoon -	13
PETERSON		589 -	600 -	S -	x -	0.718 0.036	CiFtrBo -	Little Sioux River	14
PIERSON		453 -	400 -	S -	x -	x x	CiFsBo -	Pierson Creek to Little Sioux R.	15
PLAINFIELD		387 -	250 -	S -	x -	x x	CsIp -	Land -	16
PLEASANTVILLE		893 -	600 -	S -	0.08 -	x x	CiFtnBo -	Cole Creek -	17
POCAHONTAS		1,949 -	1,925 -	S -	0.1 -	3.3 0.227	ShCmFtrDfrhBo -	Ditch to Lizard Creek	18
POMEROY		868 -	700 -	S -	0.05 -	x x	CsFtnBo -	Lake Creek to Raccoon River	19
POSTVILLE		1,343 -	1,100 -	S -	0.09 -	2.70 0.294	ScShKaCmFthCmFsDfr H Bo	Creek to Yellow River	20
POSTVILLE	Farmers Co-op Creamery Co.	x -	- -	20 L	x -	- -	None -	Creek to Yellow River	21
POSTVILLE	Postville Packing Co.	x -	- -	20 F	x -	x x	ShCpFthCpFtrCpDoBo -	Creek to Yellow River	22
PRAIRIE CITY		834 -	834 -	S -	x -	1.2 0.065	SmCiFtrCpBo -	Calhoun Creek -	23
PRESTON		684 -	675 -	S -	0.06 -	x x	CsFsBo -	Copper Creek -	24
PRIMGHAR		1,152 -	900 -	S -	0.068 -	x x	CiFsBo -	East Branch of Mill Creek	25
QUIMBY		398 -	330 -	S -	x -	x x	CsFtnBo -	Little Sioux River	26
RATHBUN	Kauzlarich Slaughterhouse	x -	- -	20 E	x -	x x	CsFs -	Creek to Chariton River	27
READLYN	Readlyn Creamery	x -	- -	20 L	x -	- -	None -	Wapsipinicon River	28
REDFIELD		892 -	600 -	S -	x -	- -	None -	Mosquito Creek to Middle Raccoon R.	29
REDFIELD	Iowa Soya Co.	50 -	- -	20 Q	0.03 -	0.6 0.03	CpLo -	Creek to Middle Raccoon River	30

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STATE	YEAR	PAGE
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LINE No.	DRAINAGE BASIN / SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	Duration (Days) / Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT / FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM	x	400E	x	x	7	C			
	8	-	100E	-	x	-		-		
2	UM	x	x	x	x	5	C			
	8	-	50E	-	x	-		x		
3	UM	x	560,000	x	x	0	cfhj	N		
	11	-	560,000	-	x	-		x		
4	UM	x	300E	x	x	*0	CF		*Based on discharge of	
	8	-	300E	-	x	-		x	raw sewage	
5	UM	x	700E	x	x	0	cf			
	11	-	700E	-	x	-		x		
6	UM	x	x	x	x	7	CF			
	10	-	x	-	x	-		x		
7	UM	x	x	x	x	*0	CF		*Based on discharge of	
	10	-	x	-	x	-		x	raw waste	
8	MR	M693.5-	1,500E	x	x	4	CFj			
	12	147-24	1.000	-	x	-		x		
9	UM	x	*6,600E	x	x	7	CF		*During canning season	
	11	-	*800E	-	x	-		x		
10	UM	x	x	x	x	7	C			
	11	-	50E	-	x	-		x		
11	UM	x	7,500E	x	x	2	CF			
	11	-	1,500E	-	x	-		x		
12	UM	x	x	x	x	2	cf	N		
	11	-	15,000E	-	x	-		x		
13	UM	-	x*	-	-	7		-	*High fluoride waste.	
	11	-	-	-	-	-		-		
14	MR	M693.5-172	600	x	x	7	CF			
	12	-	150	-	x	-		x		
15	MR	M693.5-	400	x	x	2	c	N		
	12	106-6	300	-	x	-		x		
16	UM	-	x	-	-	7		-		
	10	-	-	-	-	-		-		
17	UM	x	x	x	x	5	C			
	11	-	100E	-	x	-		x		
18	UM	x	1,925E	x	x	7	CH			
	11	-	500E	-	x	-		-		
19	UM	x	1,000E	x	x	4	c			
	11	-	500E	-	x	-		x		
20	UM	x	1,430	x	x	7	C			
	6	-	240	-	x	-		x		
21	UM	x	380E	x	x	0	c			
	6	-	380E	-	x	-		x		
22	UM	x	x	x	x	5	C			
	6	-	x	-	x	-		x		
23	UM	x	834E	0	-	7	C			
	11	x	40E	-	-	-		-		
24	UM	x	957E	x	x	4	C			
	8	-	100E	-	x	-		-		
25	MR	M693.5-	900	x	x	4	CN			
	12	147-27-8	400E	-	x	-		-		
26	MR	M693.5-128	330E	x	x	5	CF			
	12	-	200E	-	x	-		x		
27	MR	x	60E	x	x	7	C			
	13	-	x	-	x	-		x		
28	UM	x	x	x	x	*0	CF		*Based on discharge of	
	8	-	x	-	x	-		x	raw waste	
29	UM	x	600E	x	x	*0	cf		*Based on discharge of	
	11	-	600E	-	x	-		x	raw sewage	
30	UM	x	600E	x	x	7	C			
	11	-	60E	-	x	-		-		

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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1957	15 of 19

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
RED OAK		6,526 -	5,600 -	S -	0.5 -	- -	None -	East Nishnabotna River	1
REINBECK		1,460 -	1,200 -	S -	x -	1.85 0.124	ShCiFtrCpBo -	Blackhawk Creek to Cedar River	2
REINBECK	Reinbeck Cannery	x -	- -	20 C	x -	- -	Ic -	Land(Irrigation)* & Blackhawk Cr.**	3
REMSEN		1,280 -	1,240 -	S -	0.065 -	1.40 0.090	CiFtnBo -	Deep Creek -	4
RICEVILLE		962 -	700 -	S -	x -	x x	CsFsBo -	Wapsipinicon River	5
RICEVILLE	Riceville Creamery	x -	- -	20 L	x -	- -	None -	Wapsipinicon River	6
RICKETTS		166 -	100 -	S -	x -	0.22 x	CiBo -	Creek to E. Fork of Soldier River	7
RIPPEY		354 -	300 -	C -	x -	- -	None -	Creek to Raccoon River	8
RIVERSIDE		631 -	500 -	S -	x -	- -	None -	English River -	9
ROCK RAPIDS		2,640 -	1,890 -	S -	x -	4.5 0.38	ShCmFtrCmDfhrBo -	Rock River -	10
ROCK VALLEY		1,581 -	1,000 -	S -	x -	x x	CsFsBo -	Dry Run to Rock River	11
ROCKWELL		753 -	350 -	S -	x -	0.840 0.1	CmFtnCpDcpBo -	Beaver Dam Cr. to W. Fk. Cedar R.	12
ROCKWELL CITY		2,333 -	1,913 -	C -	x -	4.3 0.288	GhShScCmFtrCpDfrBo -	Lake Creek tp Raccoon River	13
ROCKWELL CITY	Womens Reformatory	- 70-3	70 -	S -	x -	x x	CsFsBo -	Creek to Raccoon River	14
ROLAND		687 -	500 -	S -	x -	x x	CsFtnBo -	Bear Creek to Skunk River	15
ROLAND	Cannery	x -	- -	20 C	x -	x x	I -	Land -	16
ROLAND	Rendering Plant	x -	- -	28 B	x -	- -	None -	Bear Creek to Skunk River	17
ROLFE		997 -	700 -	S -	x -	x x	CiFsBo -	Pilot Cr. to W. Fk. Des Moines R.	18
RUTHVEN		868 -	600 -	S -	x -	x x	CsFsBo -	Creek to Little Sioux River	19
ST. ANSGAR		981 -	800 -	S -	0.07 -	x x	CiFtnBo -	Turtle Creek to Cedar River	20
SAC CITY		3,170 -	2,800 -	S -	x -	3.4 0.20	ShScCmFtrCpDcmrhBo -	Raccoon River -	21
SAC CITY	Cannery	x-S -	- -	20 C	x -	x x	I -	Land -	22
SANBORN		1,337 -	1,337 -	S -	x -	5.052 0.176	GhScCmFtrCpDfrBo -	Creek to Little Floyd River	23
SCHALLER		841 -	700 -	S -	x -	x x	CiFtnBo -	Creek to Maple River	24
SCHLESWIG		751 -	740 -	S -	0.09 -	x x	CiFtnCpBo -	East Fork of Soldier River	25
SCRANTON		891 -	800 -	S -	x -	1.27 0.069	CiFthCpBo -	Dry Run to North Raccoon River	26
SEYMOUR	East Plant	1,223 -	630 -	S -	x -	x x	CiFsBo -	Shoal Creek tc Chariton River	27
SEYMOUR	Southwest Plant	- -	200 -	S -	x -	x x	CiFsBo -	Shoal Creek to Chariton River	28
SHEFFIELD		1,163 -	900 -	S -	x -	x x	Cs -	Bailey Creek to W. Fk. Cedar R.	29
SHELBY		592 -	350 -	S -	x -	x x	CsFsBo -	Little Silver Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1957	15 of 19

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M560.8-12-57	5,600 5,600	x -	x x	*0 -	CF x	*Based on discharge of raw sewage	
2	UM 10	x -	1,800E x	x -	x x	7 -	CF x		
3	UM 10	- -	x -	- -	- -	7 -	- -	*Process wastes. **Cooling water.	
4	MR 12	M758.3-32.9-12	1,300E 300E	x -	x x	7 -	CH -		
5	UM 8	x -	1,000E 750E	x -	x x	4 -	CF x		
6	UM 8	x -	100E 100E	x -	x x	*0 -	CF x	*Based on discharge of raw waste	
7	MR 12	M687.7-41-2.5-8	100 60	x -	x x	2 -	C x		
8	UM 11	x -	300E 300E	x -	x x	0 -	c N x		
9	UM 10	x -	500E 500E	x -	x x	*0 -	c x	*Based on discharge of raw sewage	
10	MR 7	BS84.7-45.1	3,100 300E	x -	x x	7 -	CF x		
11	MR 7	BS84.7-17.2	1,400 700E	x -	x x	4 -	CF x		
12	UM 10	x -	x x	x -	x x	7 -	C x		
13	UM 11	x -	2,090E x	x -	x x	7 -	C -		
14	UM 11	x -	x x	x -	x x	7 -	CF x		
15	UM 11	x -	x 250E	x -	x x	2 -	CF x		
16	UM 11	- -	x -	- -	- -	7 -	- -		
17	UM 11	x -	x x	x -	x x	*0 -	CF x	*Based on discharge of raw waste	
18	UM 11	x -	700E 400E	x -	x x	2 -	CFH x		
19	MR 12	M693.5-225 -	1,000E 250E	x -	x x	4 -	c x		
20	UM 10	x -	1,100 600	x -	x x	1 -	cf x		
21	UM 11	x -	3,000E 500E	x -	x x	7 -	CF x		
22	UM 11	- -	x -	- -	- -	7 -	- -		
23	MR 12	M758.3-72-14	x x	x -	x x	7 -	C -		
24	MR 12	M693.5-13-56-9	700E 250E	x -	x x	2 -	CF x		
25	MR 12	M687.7-41-18	740 200	x -	x x	4 -	c N -		
26	UM 11	x -	x 250E	x -	x x	7 -	C x		
27	MR 13	C172-40 -	630 100	x -	x x	7 -	CF x		
28	MR 13	C172-10 -	200 50	x -	x x	7 -	CF x		
29	UM 10	x -	1,200E 1,000E	x -	x x	4 -	cf x		
30	MR 12	M560.8-12-32-42	350 50	x -	x x	4 -	C x		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
IOWA	1957	PAGE 16 of 19

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
SHELDON		4,001 -	3,600 -	S -	0.2 -	6.7 0.414	ShScKmCmFthCmDfrhBo -	Floyd River -	1
SHELL ROCK		1,013 -	800 -	S -	x -	- -	None -	Shellrock River -	2
SHENANDOAH		6,938 -	6,500 -	S -	x -	- -	None -	East Nishnabotna River	3
SIBLEY		2,559 -	2,500 -	S -	0.206 -	x x	GhShCmFtnCpDcmrhBo -	Otter Creek -	4
SIDNEY		1,132 -	900 -	S -	x -	1.10 0.066	CiFtrCpBo -	Dry Run to West Nishnabotna River	5
SIGOURNEY	East Plant	2,343 -	750 -	S -	x -	1.20 0.072	ShGhCiFtrCpBo -	Ditch to North Skunk River	6
SIGOURNEY	South Plant	- -	100 -	S -	x -	x x	Cs -	Ditch to North Skunk River	7
SIGOURNEY	West Plant	- -	900 -	S -	x -	1.20 0.072	ShGhCiFtrCpBo -	Ditch to North Skunk River	8
SIOUX CENTER		1,860 -	1,800 -	S -	x -	x x	CiFtnCpBo -	West Fork of Floyd River	9
SIOUX CITY		83,991 -	70,000 -	CS -	x -	- -	None -	Missouri River & Floyd River	10
SIOUX CITY	Albertson & Co.	300 -	- -	34 CEG	0.5 -	- -	None -	Floyd River -	11
SIOUX CITY	Allied Laboratories Inc.	70 -	- -	28 C	0.03 -	- -	None -	Missouri River -	12
SIOUX CITY	American Serum Co.	25 -	- -	28 C	x -	- -	None -	Floyd River -	13
SIOUX CITY	Armour Co.	1,500 -	- -	20 F	1.5 -	- -	None -	Floyd River -	14
SIOUX CITY	Farmers Produce Co.	50 -	- -	20 G	x -	- -	None -	Floyd River -	15
SIOUX CITY	Meyer Packing Co.	8 -	- -	20 F	x -	- -	None -	Missouri River -	16
SIOUX CITY	Sanitary Rendering Co.	13 -	- -	20 P	x -	- -	None -	Missouri River -	17
SIOUX CITY	Smith Packing Co.	5 -	- -	20 F	x -	- -	None -	Floyd River -	18
SIOUX CITY	Swift Co.	830 -	- -	20 F	x -	- -	None -	Floyd River -	19
SIOUX CITY	Swift D&P	110 -	- -	20 GL	0.13 -	- -	None -	Floyd River -	20
SIOUX CITY	T. & W. Packing Co.	5 -	- -	20 F	x -	- -	None -	Missouri River -	21
SIOUX CITY	Tri-State Produce Co.	x -	- -	20 G	x -	- -	None -	Missouri River -	22
SIOUX RAPIDS		1,010 -	800 -	S -	x -	- -	None -	Little Sioux River	23
SLATER	Creamery	x -	- -	20 L	0.014 -	x x	Cs -	Four Mile Cr. to Des Moines River	24
SLOAN		654 -	x -	S -	x -	0.9 0.094	ShCiFtrCpBo -	Drainage Ditch to Missouri River	25
SOLON		527 -	527 -	S -	x -	0.882 0.046	ShCiFtrCpEcgBo -	Mill Creek to Lake McBride	26
SPENCER		7,446 -	7,400 -	C -	0.75 -	6.0 0.9	GmScKamxCmFthCmFtr CpFtrCpDfhrtHoBo	Little Sioux River	27
SPIRIT LAKE		2,467 -	(1,700) -	S -	- -	- -	See Iowa Great Lakes S.D.	Creek to Little Sioux River	28
STACYVILLE		544 -	490 -	S -	0.025 -	0.6 0.072	ShCiFtrBo -	Little Cedar River	29
STANHOPE		420 -	375 -	S -	x -	x x	CiFsBo -	Squaw Creek to Skunk River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN / SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT / FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR	M758.3-74	3,600	x	x	7	CF			
	12	-	400	-	x	-		x		
2	UM	x	800E	x	x	*0	CFHJ		*Based on discharge of	
	10	-	800E	-	x	-		x	raw sewage	
3	MR	M560.8-12-	7,000	x	x	*0	CF		*Based on discharge of	
	12	27.2	7,000	-	x	-		x	raw sewage	
4	MR	BS84.7-28-	6,080	x	x	1	cN			
	7	5-39.1	1,100	-	x	-		-		
5	MR	M560.8-12-	1,250	x	x	7	C			
	12	5	300E	-	x	-		x		
6	UM	x	750E	x	x	5	CF			
	11	-	250E	-	x	-		x		
7	UM	x	100E	x	x	4	cf N			
	11	-	75E	-	x	-		x		
8	UM	x	1,000E	x	x	5	CF			
	11	-	400	-	x	-		x		
9	MR	M758.3-23-	4,300E	x	x	4	cN			
	12	28	1,000E	-	x	-		-		
10	MR	M760	86,000	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	86,000	-	x	-		-	raw sewage	
11	MR	M758.3-4	x	x	x	*0	FL		*Based on discharge of	
	12	-	x	-	x	-		x	raw waste	
12	MR	M759	6,000	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	6,000	-	x	-		x	raw waste	
13	MR	M758.3-0.5	800	x	x	*0	LN		*Based on discharge of	
	12	-	800	-	x	-		x	raw waste	
14	MR	M758.3-0.5	290,000	x	x	*0	LN		*Based on discharge of	
	12	-	290,000	-	x	-		x	raw waste	
15	MR	M758.3-0.5	2,200	x	x	*0	L N		*Based on discharge of	
	12	-	2,200	-	x	-		x	raw waste	
16	MR	M759	2,400	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	2.400	-	x	-		x	raw waste	
17	MR	M759	1,600	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	1.600	-	x	-		x	raw waste	
18	MR	M758.3-0.5	2,400	x	x	*0	LN		*Based on discharge of	
	12	-	2,400	-	x	-		x	raw waste	
19	MR	M758.3-0.5	120,000	x	x	*0	LN		*Based on discharge of	
	12	-	120.000	-	x	-		x	raw waste	
20	MR	M758.3-0.5	5,000	x	x	*0	LN		*Based on discharge of	
	12	-	5,000	-	x	-		x	raw waste	
21	MR	M759	1,500	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	1,500	-	x	-		x	raw waste	
22	MR	M759	3,500	x	x	*0	ABEHJK		*Based on discharge of	
	12	-	3,500	-	x	-		x	raw waste	
23	MR	M693.5-191	1,000E	x	x	*0	CF		*Based on discharge of	
	12	-	1,000E	-	x	-		x	raw sewage	
24	UM	x	1,800E	x	x	4	c N			
	11	-	1,800E	-	x	-		x		
25	MR	M737-7	x	x	x	7	C			
	12	-	x	-	x	-		x		
26	UM	x	x	x	x	7	CFIJ			
	10	-	x	-	x	-		x		
27	MR	M693.5-227	16,500E	x	x	7	CFH			
	12	-	1,500E	-	x	-		-		
28	MR	-	-	-	-	-		-		
	12	-	-	-	-	-		-		
29	UM	x	600E	x	x	5	cf			
	10	-	140E	-	x	-		-		
30	UM	x	400E	x	x	5	cf			
	11	-	100	-	x	-		x		

(2)

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE: IOWA

YEAR: 1957

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
STANTON		570 -	450 -	S -	x -	x x	CsFsBo -	East Tarkio Creek	1
STANWOOD		547 -	500 -	S -	x -	0.75 0.045	ShCiFtrCpBo -	Rock Creek -	2
STATE CENTER		1,040 -	900 -	S -	0.1 -	3.936 0.172	ShGhKmCmFthCpFs DcfrhBo	North Timber Cr. to Iowa River	3
STORM LAKE		6,954 -	6,000 -	S -	1.4 -	48.0 1.793	ScKmCmFtrCmFtrCm DmftrhsBo	North Raccoon River	4
STORM LAKE	Cannery	x -	- -	20 C	x -	x x	I -	Land -	5
STORY CITY		1,545 -	1,100 -	S -	x -	x x	CsFsBo -	Skunk River -	6
STRATFORD		673 -	600 -	S -	x -	x x	CsFtnCpLs -	Dry Run to Boone River	7
STRAWBERRY POINT	North Plant	1,247 -	340 -	S -	x -	x x	CsFsBo -	Spring Creek to Volga River	8
STRAWBERRY POINT	South Plant	- -	765 -	S -	x -	x x	ShCiFsBo -	Creek to Maquoketa River	9
STUART		1,500 -	1,200 -	S -	x -	x x	CiFsBo -	Long Branch Cr. to S. Raccoon R.	10
SULLY	Sully Co-op Creamery	12 -	- -	20 L	0.012 -	x x	Cs -	Creek to Skunk River	11
SUMNER		1,911 -	1,350 -	S -	x -	2.0 0.24	ScCm[Ftr][Ftn]Cp DfrhBo	Creek to Wapsipinicon R.	12
SUTHERLAND		835 -	700 -	S -	x -	x x	CiFtnCpBo -	Waterman Creek to Little Sioux R.	13
SWEA CITY		869 -	550 -	S -	0.06 -	x x	CiFtnBo -	Mud Creek to E. Fk. Des Moines R.	14
TABOR		869 -	700 -	S -	x -	x x	CsFsBo -	Plum Creek -	15
TAMA		2,930 -	2,100 -	S -	x -	3.0 0.233	ScG CmFtrCmDfrhHoBo -	Iowa River -	16
TAMA	Tama Paper Mill	x -	- -	26 H	1.6 -	x x	Sf -	Iowa River -	17
TIPTON		2,633 -	2,200 -	S -	x -	3.7 0.12	ShGmKmCmFtrCmDhcrBo -	Grand Creek to Cedar River	18
TOLEDO		2,106 -	1,600 -	S -	x -	2.5 0.211	CiFtrCpCsBo -	Deer Creek -	19
TRAER		1,627 -	1,500 -	S -	x -	2.263 0.173	KmCmFtrCpDchrBo -	Wolf Creek to Cedar River	20
TRIPOLI		1,124 -	810 -	S -	x -	x x	Cs -	Wapsipinicon River	21
UNION		490 -	380 -	S -	x -	x x	CsFsBo -	Iowa River -	22
UNIVERSITY PARK		457 -	350 -	S -	x -	x x	Cs -	Spring Creek to Skunk River	23
URBANDALE		1,777 -	(1,500) -	S -	- -	- -	See Des Moines* -	Des Moines River -	24
URBANDALE	Benton Subdivision	- x	x -	S -	x -	2.0 0.12	Sh(CpDop)*FtrCpEgBo -	W.Br. Walnut Cr. to Raccoon River	25
URBANDALE-WINDSOR HEIGHTS S.D. *		- -	2,500 -	S -	- -	- -	See Des Moines -	Des Moines River -	26
UTE		563 -	350 -	C -	x -	0.46 0.023	CsFsBo* -	Soldier River -	27
VAIL		532 -	350 -	S -	x -	- -	None -	East Fork of Boyer River	28
VAN HORNE		511 -	400 -	S -	x -	0.60 0.048	ShCiFtrCpBo -	Dry Run to Prairie Creek	29
VENTURA		- 275-1	(x) -	S -	- -	- -	See Clear Lake Sanitary District	Beaver Dam Creek to Cedar River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M523.5-21- 42	450 350	x -	x x	4 -	C x		
2	UM 10	x -	500E 100E	x -	x x	7 -	CF x		
3	UM 10	x -	2,250 250	x -	x x	7 -	C x		
4	UM 11	x -	48,000 1,950	x -	x x	7 -	CF x		
5	UM 11	- -	x -	- -	- -	7 -	- -		
6	UM 11	x -	1,100E 300E	x -	x x	4 -	C x		
7	UM 11	x -	x 300E	x -	x x	2 -	C x		
8	UM 8	x -	x 100E	x -	x x	4 -	c x		
9	UM 8	x -	x 400E	x -	x x	4 -	c N x		
10	UM 11	x -	x 800E	x -	x x	4 -	c x		
11	UM 11	x -	2,000E 2,000E	x -	x x	4 -	c N x		
12	UM 8	x -	2,000E 500E	x -	x x	1 -	CF x		
13	MR 12	M693.5- 167-8	1,600E 500E	x -	x x	1 -	cf N x		
14	UM 11	x -	1,200E 550E	x -	x x	4 -	c x		
15	MR 12	M590.5-16 -	700E 500E	x -	x x	4 -	CF x		
16	UM 10	x -	2,100E 300E	x -	x x	7 -	CF x		
17	UM 10	x -	x 6,200	x -	x x	7 -	CF x		
18	UM 10	x -	2,500E 400E	x -	x x	7 -	C x		
19	UM 10	x -	1,600E 120E	x -	x x	7 -	c -		
20	UM 10	x -	2,000E 400E	x -	x x	7 -	CF x		
21	UM 8	x -	*4,800 *4,000	x -	x x	4 -	cf** x	*Includes seasonal cannery waste	**Only during canning season
22	UM 10	x -	400E 300E	x -	x x	4 -	CF x		
23	UM 11	x -	350E 300E	x -	x x	4 -	cf N x		
24	UM 11	- -	- -	- -	- -	- -	- -	*Through Urbandale - Windsor Heights S.D.	
25	UM 11	x -	x x	0 -	- -	7 -	CJ x	*Spirogestor	
26	UM 11	- -	- -	- -	- -	- -	- -		
27	MR 12	M687.7-41 -	350 350	x -	x x	5 -	C x	*Plant bypassed due to defective pump	
28	MR 12	M651-92-9 -	350 350	x -	x x	*0 -	C x	*Based on discharge of raw sewage	
29	UM 10	x -	400E 60E	x -	x x	7 -	C x		
30	UM 10	- -	- -	- -	- -	- -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
VICTOR		741 -	700 -	S -	x -	x x	CsFsBo -	Bear Creek -	1
VILLISCA		1,838 -	1,500 -	S -	x -	- -	None -	W. Nodaway R. & Middle Nodaway R.	2
VINTON		4,307 -	3,500 -	S -	0.3 -	4.2 0.571	ScKmCmDfrhBo -	Cedar River -	3
VINTON	Minnesota Valley Cannery	x -	- -	20 C	x -	x x	I -	Land -	4
WALCOTT		480 -	390 -	S -	x -	x x	Cs -	Mud Creek to Cedar River	5
WALLINGFORD	State Brand Creamery	x -	- -	20 L	0.01 -	- -	None -	Land -	6
WALL LAKE		753 -	640 -	S -	0.05 -	x x	CsFsBo -	Boyer River -	7
WALNUT		888 -	600 -	S -	x -	x x	CiFtnBo -	Walnut Creek -	8
WAPELLO		1,755 -	1,290 -	S -	x -	- -	None -	Iowa River -	9
WASHINGTON		5,902 -	5,000 -	C -	x -	5.8 0.325	ShGhCiFtnBo -	West Fork of Crooked Creek	10
WASHINGTON	Cargill Soybean Plant	x -	- -	28 B	x -	x x	Cs -	Crooked Creek to Skunk River	11
WASHTA		403 -	350 -	S -	x -	x x	CsFsBo -	Little Sioux River	12
WATERLOO		65,198 -	50,000 -	S -	12.0 -	216.0 7.0	[CmFtr]* ScGmOsKm CmFtrCmDfrhBoLs	Cedar River -	13
WATERLOO	John Deere	6,000 -	- -	34 AG	2.5 -	x x	L -	Blackhawk Creek -	14
WATERLOO	Waterloo Rendering Plant	x -	- -	20 P	x -	x x	Cp -	Cedar River -	15
WAUKON		3,158 -	3,000 -	S -	0.225 -	x x	CsFtmCpBo -	Paint Creek -	16
WAVERLY		5,124 -	4,000 -	S -	0.487 -	50.0 1.3	ScGmKaCmFtrCmDfhHc -	Cedar River -	17
WAVERLY	Carnation Milk Factory	x -	- -	20 HJ	0.05 -	- -	None -	Cedar River -	18
WAVERLY	Marshall Canning Co.	x -	- -	20 C	x -	x x	I -	Land -	19
WEBSTER CITY		7,611 -	5,000 -	S -	0.5 -	10.0 0.50	ShGhCmFthCmFthCm DfrhBo	Boone River -	20
WELLMAN		1,071 -	950 -	S -	0.06 -	1.04 0.151	S Gh(CmDcmr)FthCmBo -	Smith Creek -	21
WELLSBURG		744 -	600 -	S -	x -	x x	CiFsBo -	South Fork of Beaver Creek	22
WEST BEND		772 -	750 -	S -	x -	0.75 0.05	CiFtrCpBo -	Prairie Cr. to W. Fk. Des Moines R.	23
WEST BRANCH		769 -	600 -	S -	x -	x x	CsFsBo -	Wapsi Creek -	24
WEST BURLINGTON		1,614 -	(1,200) -	S -	- -	- -	None (Through Burlington sewers)	Mississippi River -	25
WEST DES MOINES		5,615 -	(4,000) -	S -	- -	- -	See Des Moines -	Des Moines River -	26
WEST LIBERTY		1,866 -	1,766 -	S -	0.2 -	3.7 0.20	ShCmFtrCpDcmhrBo -	Wapsi Creek -	27
WEST POINT		662 -	450 -	S -	x -	0.70 0.032	CiFtrCpBo -	Devils Creek to Mississippi River	28
WESTSIDE		393 -	300 -	S -	x -	0.43 0.053	CiBo -	Mill Creek to Boyer River	29
WEST UNION	North Plant	2,141 -	570 -	S -	0.06 -	0.684 .0684	ScCiFtrCpBo -	Beaver Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT	DOWNSTREAM WATER USE FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 10	x -	700E 100E	x -	x x	4 -	C	x		
2	MR 12	M480.9- 120-0.1	1,500E 1,500E	x -	x x	*0 -	ACFH	x	*Based on discharge of raw sewage	
3	UM 10	x -	x 2,500	x -	x x	2 -	ACFHJ	x		
4	UM 10	- -	x -	- -	- -	7 -		- -		
5	UM 10	x -	390E 390E	x -	x x	4 -	c	x		
6	UM 11	- -	400E -	- -	- -	0 -		- -		
7	MR 12	M651-107 -	640 550	x -	x x	4 -	C	x		
8	MR 12	M560.8-12- 7-5	600 200	x -	x x	5 -	C	x		
9	UM 10	x -	1,300E 1,300E	x -	x x	*0 -	CF	x	*Based on discharge of raw sewage	
10	UM 11	x -	5,000E 1,000E	x -	x x	1 -	CF	x		
11	UM 11	x -	x x	x -	x x	4 -	c N	x		
12	MR 12	M693.5-121 -	350 100E	x -	x x	7 -	CF	x		
13	UM 10	x -	600,000 80,000	x -	x x	1 -	Cfj	x	*Industrial waste pre-treatment units.	
14	UM 10	x -	x x	x -	x x	4 -	cfj	x		
15	UM 10	x -	x x	x -	x x	6 -	CFJ	x		
16	UM 6	x -	3,000E 900E	x -	x x	4 -	c N	-		
17	UM 10	x -	50,000E 7,000E	x -	x x	7 -	CFJ	-		
18	UM 10	x -	2,000E 2,000E	x -	x x	0 -	CFJ	x		
19	UM 10	- -	x -	- -	- -	7 -		- -		
20	UM 11	x -	6,000E 1,500E	x -	x x	7 -	CFH	x		
21	UM 10	x -	2,[illegible] 850E	0 -	- -	1 -	cfh	-		
22	UM 10	x -	800E 200E	x -	x x	4 -	CF	x		
23	UM 11	x -	850E 100E	x -	x x	7 -	CFH	x		
24	UM 10	x -	1,100E 500E	x -	x x	4 -	c	x		
25	UM 11	- -	- -	- -	- -	- -		- -		
26	UM 11	- -	- -	- -	- -	- -		- -		
27	UM 10	x -	2,630E 395E	0.5 -	x x	7 -	C	-		
28	UM 11	x -	500E 200E	x -	x x	5 -	C	x		
29	MR 12	M651-32-16 -	300 200	x -	x x	7 -	C	x		
30	UM 8	x -	600E 60E	x -	x x	7 -	cf	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
WEST UNION	South Plant	- -	1,520 -	S -	0.14 -	2.5 0.165	ScCl[Ftr][Ftn] DcrhptBo	Beaver Creek -	1
WHAT CHEER		1,119 -	800 -	S -	x -	1.5 0.090	ShClFtrCpBo -	Coal Creek to North Skunk R.	2
WILLIAMS		519 -	400 -	S -	x -	x x	CsFsBo -	Creek to Skunk River	3
WILLIAMSBURG		1,183 -	1,100 -	S -	x -	1.977 0.076	ShCmFtrCmDcpBo -	Old Man Creek -	4
WILTON		1,446 -	1,000 -	S -	0.150 -	x x	CsFs* Bo -	Mud Creek to Cedar River	5
WINDSOR HEIGHTS		1,414 -	(1,000) -	S -	- -	- -	See Des Moines* -	Des Moines River -	6
WINFIELD		888 -	810 -	S -	0.05 -	x x	ShCsFtrCpBo -	East Fork of Crooked Creek	7
WINTERSET		3,750 -	3,000 -	S -	x -	x x	ShGhCmFtnDcmpBo -	Middle River -	8
WOODBINE		1,304 -	1,000 -	S -	x -	- -	None -	Boyer River -	9
WOODWARD		908 -	300 -	No System	- -	- -	Individual septic tanks	Creek to Des Moines River	10
WOODWARD	State Hospital	- 2,700-0	2,700 -	S -	x -	1.625 0.252	SmCmFtrCpEgDfrhBo -	Creek to Des Moines River	11
									12
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 8	x -	1,800E 300E	x -	x x	7 -	BCF	–		
2	UM 11	x -	800E 300E	x -	x x	5 -	CF	x		
3	UM 11	x -	600E 100E	x -	x x	4 -	c	x		
4	UM 10	x -	1,750E 200E	x -	x x	7 -	CF	–		
5	UM 10	x -	1,600E 1,200E	x -	x x	4 -	c	x	*Sand filter not used	
6	UM 11	- -	- -	- -	- -	- -		- -	*Through Urbandale - Windsor Heights S.D.	
7	UM 11	x -	936E 100E	0 -	- -	4 -	cf	–		
8	UM 11	x -	3,000E 800E	x -	x x	1 -	CF	x		
9	MR 12	M651-46 -	1,000 1,000	x -	x x	*0 -	C	x	*Based on discharge of raw sewage	
10	UM 11	x -	x x	x -	x x	0 -	CFJ	x		
11	UM 11	x -	2,700E 700E	x -	x x	7 -	CFJ	x		
12										
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IOWA

Community or facility providing sewer service	Communities and/or facilities served
BURLINGTON	West Burlington
CLEAR LAKE SANITARY DISTRICT	Ventura
DAVENPORT	Bettendorf
DES MOINES	Urbandale Urbandale - Windsor Heights S. D. West Des Moines Windsor Heights
IOWA CITY	Coralville
IOWA GREAT LAKES S. D.	Arnolds Park Milford Okoboji Orleans Spirit Lake

KANSAS

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
ABILENE		5,775 -	5,600 -	S -	x -	6.0 0.6	ShGpApCmDcmhBo -	Smoky Hill River -	1
ALMA		716 -	700 -	S -	x -	1.0 0.08	ShClFtrCpDoBo -	Mill Creek -	2
ALMENA		616 -	620 -	S -	x -	x x	ShClFtrCpBo -	Prairie Dog Creek -	3
ANDALE		316 -	x -	S -	x -	0.5 0.05	ShClFtrCpBo -	Adry Creek to Cowskin Creek	4
ANTHONY		2,792 -	2,800 -	S -	x -	2.8 0.35	ShCmFtrCmDfnrBo -	Spring Creek -	5
ARGONIA		562 -	580 -	S -	x -	0.55 0.07	ShClFsBo -	Chikaskia River -	6
ARKANSAS CITY		12,903 13.371-4	11,500 -	S -	x -	- -	None -	Arkansas River & Walnut River	7
ARKANSAS CITY	Arkansas City Rendering Co.	x -	- -	20 P	x -	- -	Grease Traps -	x -	8
ARKANSAS CITY	Maurer-Neurer Corp.	x -	- -	20 F	x -	- -	None -	Arkansas River -	9
ARKANSAS CITY	Prichard Oil Refinery	x -	- -	29 A	x -	x x	Oil Ponds -	Walnut River -	10
ARLINGTON		405 -	300 -	S -	x x	0.65 0.05	ShClFtrCpBoLo -	North Fork of Ninnescah River	11
ASHLAND		1,493 -	1,450 -	S -	x -	2.0 0.13	ShClFtrCpBo -	Bear Creek -	12
ATCHISON		12,792 -	11,000 -	SC -	x -	- -	None -	Missouri River -	13
ATTICA		622 -	600 -	S -	x -	0.65 0.04	ClFsBo -	Dry branch -	14
ATWOOD		1,613 -	1,600 -	S -	x -	0.45 0.06	ClFsBo -	Beaver Creek -	15
AUGUSTA		4,483 -	4,000 -	S -	x -	3.5 0.24	ShCmFtrCmDcpBo -	Whitewater River -	16
AUGUSTA	Socony-Mobile Oil Refinery	x -	- -	29 A	x -	x x	Oil Pond & KcCm* -	Whitewater River -	17
AXTELL		510 -	480 -	S -	x -	0.67 0.04	ShClFtrBo -	Trib. to Black Vermillion River	18
BALDWIN CITY		1,741 -	1,200 -	S -	x -	2.94 0.16	ShCmFtrCpDcptBo -	Tavy Creek -	19
BARECO	Bareco Oil Co.	x -	- -	29 CE	x x	x x	x -	x -	20
BARECO	Derby Oil Co.	x -	- -	29 CDE	x x	x x	x -	x -	21
BAXTER SPRINGS		4,647 4,500-4	3,500 -	S -	x -	- -	None -	Spring River -	22
BAXTER SPRINGS	Ballard Mine*	x -	- -	10 A	x x	x x	x -	x -	23
BAZINE		456 -	280 -	S -	x -	0.15 0.04	ClFsBo -	Walnut Creek -	24
BELLE PLAINE		971 1.300-4	800 -	S -	x -	- -	None* -	Ninnescah River -	25
BELLEVILLE		2,858 -	2,500 -	S -	x -	0.7 0.12	ClFsBo* -	Trib to Salt Creek	26
BELLEVILLE	Weaver Rendering Co.	x -	- -	20 P	x x	x x	C Fs -	Salt Creek -	27
BELOIT		4,065 -	3,600 -	S -	x -	5.0 0.5	ShCmDcptBo -	Solomon River -	28
BENNINGTON		325 -	400 -	S -	x -	0.4 0.04	ShClFtrCpBo -	Solomon River -	29
BIRD CITY		784 -	400 -	S -	x -	1.0 0.10	ShClFtrCpBo -	x -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR	KR169.2-	8,700E	x	x	4	CF			
	11	64.8	7,000E	-	x	-		-		
2	MR	K101.5-	1,000E	x	x	7	CF			
	11	18.0	250E	-	x	-		-		
3	MR	KL169.2-	62CE	0	-	7	C			
	11	239.8-49.6	160E	-	-	-		-		
4	SM	x	x	0	-	7		x		
	2	-	x	-	-	-		-		
5	SM	x	2,800E	0	-	7	C			
	2	-	730E	-	-	-		x		
6	SM	x	580E	x	x	4	CF			
	2	-	250E	-	x	-				
7	SM	*	11,500E	x	x	0	CF		*A703.6-2.7-A703.6-16-	4 discharge points.
	2	-	11,500E	-	x	-		-	A705. A706	
8	SM	x	x	x	x	0		x		
	2	-	430E	-	x	-		-		
9	SM	A706.0	20,000E	x	x	2 &	CF			
	2	-	20,000E	-	x	6		-		
10	SM	A703.6-0.7	5,400E	x	x	*0	CF		*In planning stage.	
	2	-	5,400E	-	x	-		-		
11	SM	x	300E	x	x	7	CF			
	2	-	30E	-	x	-		-		
12	SM	x	1,450E	0	-	5	C			
	7	-	360E	-	-	-		-		
13	MR	M434.5	30,000	x	x	0	ABCFJ			
	12	-	30.000	-	x	-		-		
14	SM	x	600E	0	-	5	C			
	2	-	150E	-	-	-		-		
15	MR	*	1,600E	0	-	4	C		*KL169.2-258.0-12.3-135.7	
	11	-	1,000E	-	-	-		-		
16	SM	A703.6	4,000E	0	x	1 &	CF			
	2	76.3-0.4	2,000E	-	x	5		-		
17	SM	A703.6	3,000**	x	x	4	CF		*For re-use as	**Estimated&checked from stream data
	2	76.3-0.6	3,000E	-	x	-		-	process water.	prel.planning under way for comp.trt.
18	MR	*	480E	0	-	2	C		*K142.5-48.1-24.4-16.3	
	11	-	150E	-	-	-		-		
19	MR	0390-10-15	1,200E	0	-	7	C			
	14	-	120E	-	-	-		-		
20	SM	x	x	x	x	x		x		
	2	-	3,600E	-	x	-		x		
21	SM	x	x	x	x	x		x		
	2	-	5,400E	-	x	-		x		
22	SM	x	4,500E	x	x	0	CFIJ			
	4	-	4,500E	-	x	-		-		
23	SM	x	x	x	x	7		x	*Of the St. Louis Smelt-	
	4	-	x	-	x	-		x	ering & Refinery Division	
24	SM	x	280E	0	x	4	C			
	2	-	140E	-	x	&5		-		
25	SM	x	800E	x	x	0	CF		*Bonds voted for sewage	prepared.
	2	-	800E	-	x	-		-	treatment plant; plans	
26	MR	KL169.2-	2,500	x	x	4	C		*Bonds voted; plans	
	11	90.7-20.4	1,700	-	x	-		-	being prepared.	
27	MR	KL169.2-	2,560E	x	x	7	C			
	11	90.7-20.4	500E	-	x	-		-		
28	MR	KR169.2-	4,800E	1[illegible]	30	7	CF			
	11	85.4-130.6	3.400E	-	5	-		-		
29	MR	KR169.2-	400E	x	x	5	CF			
	11	85.4-38	120E	-	x	-		-		
30	MR	-	400E	x	x	7		x		
	11	-	120E	-	x	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des.'d for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
BLUE RAPIDS		1,430 -	1,250 -	S -	x -	2.0 0.2	x -	Big Blue River -	1
BONNER SPRINGS		2,277 -	1,550 -	S -	x -	- -	None* -	Kansas River -	2
BONNER SPRINGS	Kuhn Cannery	50-S -	- -	20 C	0.10 -	- -	None -	Kansas River -	3
BONNER SPRINGS	R.B. Rice Sausage Co.	2 -	- -	20 F	x -	- -	None -	Wolf Creek -	4
BREWSTER		467 -	280 -	S -	x -	0.4 0.04	CiBo** -	South Fork Sappa Creek	5
BUCKLIN		824 -	720 -	S -	x -	1.0 0.07	CiFtrBo -	Dry creek -	6
BUHLER		750 -	1,000 -	S -	x -	1.20 0.12	ShCiFtrCpBo -	Little Arkansas River	7
BURLINGAME		1,065 -	950 -	S -	x -	1.5 0.08	CiFtrCpBo -	Switzler Creek -	8
BURLINGTON		2,304 -	2,000 -	S -	x -	1.5 0.13	CiFtnCpBo -	Neosho River -	9
BURRTON		749 -	690 -	S -	x -	0.69 0.09	SgCiFtr*LoBo -	Kisiwa Creek -	10
BUSHTON		532 -	375 -	S -	x -	0.70 0.07	ShCiFtrCpBo -	Tributary to Plum Creek	11
BUTLER COUNTY	Farrell Oil Pool	x -	- -	13 A	x x	- x	Is -	Sub-surface -	12
CALDWELL		2,000 1.900-4	1,750 -	S -	x -	2.4 0.3	ShCiFtrCpBo -	Fall Creek -	13
CANEY		2,876 -	2,500 -	S -	x -	- -	ShGhCmFtrCmDhcrt Dhc[r]ptBoBc	Little Caney Creek	14
CANTON		771 -	700 -	S -	x -	0.6 0.05	CiFtrCpBo -	Tributary to Cottonwood Creek	15
CEDAR VALE		1,010 -	600 -	S -	x -	0.3 0.06	CiFtrCpBo -	Cedar Creek -	16
CHANUTE		10,109 -	10,000 -	S -	x -	13.2 1.46	ShGhCmFtrCmDchrBo -	Neosho River -	17
CHANUTE	Chanute Railroad	x -	- -	34 I	x x	- -	None -	x -	18
CHANUTE	Chanute Refinery Co.	x -	- -	29 A	x -	x x	7 (Skimming Pond)	Little Turkey Creek	19
CHANUTE	W.F.A. Oil Co. (Refinery)	x -	- -	29 A	x -	x x	7 (Skimming Ponds)	Tributary to Village Creek	20
CHANUTE	Warwick Wax Plant	x -	- -	28 B	x -	- -	None -	Little Turkey Creek	21
CHAPMAN		990 -	1,050 -	S -	x -	1.2 0.08	x -	Smoky Hill River -	22
CHASE		961 -	500 -	S -	x -	2.0 0.1	ShCiFtrCpBo -	Spring Creek to Cow Creek	23
CHASE MANOR (Johnson County)		- 400-5	400 -	S -	x -	0.5 0.05	ShCpAcCpAcCpDcp -	Turkey Creek -	24
CHAUTAUQUA COUNTY	McAllister Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Middle Caney Cr. & Sub-surface	25
CHAUTAUQUA COUNTY	Niotaze Oil Pool	x -	- -	13 A	x x	- x	Is -	Sub-surface -	26
CHAUTAUQUA COUNTY	Peru-Sedan Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Middle Caney Cr. & Sub-surface	27
CHENEY		777 -	850 -	S -	x -	- -	None -	Ninnescah River -	28
CHEROKEE COUNTY	Coal Mines	x -	- -	11 AB	x -	- -	None -	Spring River & Tributary	29
CHEROKEE COUNTY	Metal Mines	x -	- -	11 AB	x -	- -	None -	Spring River & Tributary	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 11	K142.5- 59.5	2,140E 1,400E	x -	x x	7 -	C -		
2	MR 11	K20.2 -	1,550E 1,550E	770 -	30 5	0 -	CF -	*Primary plant under contract.	
3	MR 11	K20.2 -	13,400E 13,400E	770 -	30 5	0 -	CF -		
4	MR 11	K21.0-1.0 -	290E 290E	x -	x x	0 -	CF -		
5	MR 11	* -	280E 180E	0 -	- -	1 -	C -	*KL169.2-258-107.8-78	**Addition under construction.
6	SM 2	x -	720E 170E	0 -	- -	2 &5	C -		
7	SM 2	A774.5- 62.0	1,000E 250E	x -	x x	7 -	CF x		
8	MR 14	0424.7- 30-4	950E 200E	x -	x x	5 -	ACF -		
9	SM 4	c -	2,000E 500E	0 -	x x	4 -	ABCF -		
10	SM 2	A774.5- 30-7.1-9.4	700E 150E	0 -	- -	*2 &5	C x	*Final Basin	
11	SM 2	x -	375E 60E	0 -	- -	7 -	CF x		
12	SM 3	- -	Salt Brine	- -	- -	7 -	- -		
13	SM 2	x -	1,750E 350E	0 -	x -	7 -	C -		
14	SM 3	x -	2,500E 375E	x -	x x	7 -	CF -		
15	SM 4	x -	700E 180E	0 -	- -	4 -	C -		
16	SM 3	V78.3- 132.5-3.0	600E 300E	0 -	- -	4 -	CF -		
17	SM 4	x -	10,000E 2,500E	0 -	- -	7 -	ACF x		
18	SM 4	x -	x x	0 -	- -	0 -	x x		
19	SM 4	x -	x x	0 -	- -	0 -	C -		
20	SM 4	x -	x x	0 -	- -	0 -	ACF -		
21	SM 4	x -	x x	0 -	- -	0 -	C -		
22	MR 11	KR169.2- 37.8	1,050 790	x -	x x	7 -	CF -		
23	SM 2	A813.3- 53.7-1.2	500E 120E	0 -	x x	7 -	C x		
24	MR 11	K3.2-10 -	400E 100E	x -	x x	7 -	C -		
25	SM 3	x -	*Salt Brine	x -	x x	7 -	x x	* Part of brine is not reinjected.	
26	SM 3	- -	Salt Brine	- -	- -	7 -	- -		
27	SM 3	x -	*Salt Brine	x -	x x	7 -	x x	* Part of brine is not reinjected.	
28	SM 2	x -	850E 850E	x -	x x	0 -	CF x		
29	SM 4	x -	Mine Wastes	x -	x x	0 -	BCFJ -		
30	SM 4	x -	Mine Wastes	x -	x x	0 -	BCFJ -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
CHERRYVALE		2,952 -	2,600 -	S -	x -	4.5 0.25	ShCiFtnCpLoDcptBo -	Dry tributary to Drum Creek	1
CHERRYVALE	National Zinc Co.	x -	- -	33 B	x -	- x	Le -	Dry tributary to Drum Creek	2
CHETOPA		1,671 1.800-4	1,500 -	S -	x -	- -	None -	Neosho River -	3
CIMARRON		1,189 1.200-4	1,170 -	S -	x -	- -	None -	Arkansas River -	4
CLAFLIN		921 -	550 -	S -	x -	0.75 0.07	ShCiFtrLoBo -	Mud Creek -	5
CLAY CENTER		4,528 -	4,000 -	S -	x -	9.0 0.9	GhCmDchprtBo -	Republican River -	6
CLEARWATER		647 -	1,000 -	S -	x -	1.0 0.06	ShCiFtrCpLoBo -	Ninnescah River -	7
CLIFTON		743 -	700 -	S -	x -	1.0 0.04	CiBo -	Republican River -	8
CLYDE		1,067 -	960 -	S -	x -	1.3 0.07	CsBo -	Republican River -	9
COFFEYVILLE		17,113 -	18,000 -	S -	x -	12.0 1.0	ShCiFtrCpBo -	Verdigris River -	10
COFFEYVILLE	Cooperative Oil Refinery	x -	- -	29 A	x -	x x	C -	Verdigris River -	11
COFFEYVILLE	Ozard Smelting & Refining Company	x -	- -	28 - 33 C D	x x	- x	S C -	Onion Creek -	12
COLBY		3,859 -	3,500 -	S -	x -	5.0 0.5	Gh[Sc][Sh]CmFtrCm DchoprtBo	Prairie Dog Creek -	13
COLDWATER		1,208 -	1,150 -	S -	x -	1.5 0.14	ShCiFtrCpBo -	Dry Tributary to Calvary Creek	14
COLUMBUS	-North	3,490 -	1,600 -	S -	x -	2.5 0.15	GpShCmFtrCpDcpBo -	Tributary to Brush Creek	15
COLUMBUS	-South	- -	1,600 -	S -	x -	2.5 0.15	GpShCmFtrCpDcpBo -	Tributary to Brush Creek	16
COLUMBUS	Columbus Ice Co.	x -	- -	39 -	x x	- -	None -	Creek -	17
CONCORDIA		7,175 -	7,000 -	S -	x -	15.6 1.58	Gh[Sc][Sh]CmDcfhrBo -	Republican River -	18
CONWAY SPRINGS		816 -	950 -	S -	x -	1.00 0.07	ShCiFtrCpLoBo -	Dry tributary to Slate Creek	19
COTTONWOOD FALLS		957 -	750 -	S -	x -	0.40 x	CiFtnCpBo -	Cottonwood River -	20
COUNCIL GROVE		2,722 -	2,300 -	S -	x -	2.88 0.22	ShCmFtrCpDpBo -	Neosho River -	21
CRESTVIEW HOMES (Wyandotte County)		- 500-5	500 -	S -	x -	0.5 0.05	ShCpAcCpAcCpDcp -	Dry Tributary to S.Fk.Ninnescah R.	22
COLWICH		339 500-5	- -	- -	- -	- -	- -	- -	23
CUNNINGHAM		510 -	520 -	S -	x -	0.75 0.06	ShCmFtrCmDopBo -	Dry trib. to S. Fk. Ninnescah R.	24
DEERFIELD		400 -	350 -	S -	x -	- -	None -	Arkansas River -	25
DELPHOS		676 -	600 -	S -	x -	1.0 0.1	ShCiFtrCpBo -	Henry Creek -	26
DERBY		432 3.655-5	4,000 -	S -	x -	1.0 0.1	ShCiBo -	Arkansas River -	27
DE SOTO		518 -	600 -	S -	x -	x x	ShCiBo -	Kansas River -	28
DIGHTON		1,246 -	1,300 -	S -	x -	0.8 0.06	ShCiFsBo -	Walnut Creek -	29
DODGE CITY		11,262 -	12,000 -	S -	x -	6.0 1.5	SmGhApCmDcmhrBo -	Arkansas River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	SM 3	V190.9-8- 0.8	2,600E 650E	0 -	- -	5 -	CF	 -		
2	SM 3	x -	inorganic inorganic	0 -	- -	7 -		x -		
3	SM 4	x -	1,500E 1,500E	x -	x x	0 -	ACF	 -		
4	SM 2	x -	1,170E 1,170E	0 -	x x	0 -	BCDF	 -		
5	SM 2	x -	550E 135E	x -	x x	7 -	C	 x		
6	MR 11	KL169.2- 42.1	6,600E 4,300E	205 -	30 5	7 -	C	 -		
7	SM 2	x -	1,000E 200E	0 -	- -	7 -	CF	 -		
8	MR 11	KL169.2- 69.5	700E 460E	x -	x x	1 -	C	 -		
9	MR 11	KL169.2- 81.8	960E 620E	x -	x x	4 -	C	 -		
10	SM 3	V163.2 -	38,000E 20,000E	0 -	- -	4 & 5	ABCF	 -		
11	SM 3	x -	10,300 10,300	x -	x x	*2 1	ACF	 -	*Complete treatment plant in planning stage. Part	of financing appropriated.
12	SM 3	x -	inorganic inorganic	0 -	- -	7 -		x -		
13	MR 11	KL169.2- 239.8-157	3,500E 700E	0 -	- -	7 -	C	 -		
14	SM 7	x -	1,150E 300E	0 -	- -	7 -	C	 -		
15	SM 4	x -	1,600E 400E	0 -	- -	7 -	C	 x		
16	SM 4	x -	1,600E 400E	0 -	- -	7 -	C	 x		
17	SM 4	x -	200E 200E	x -	x x	0 -		x x		
18	MR 11	KL169.2- 102.4	10,500E 6,800E	0 -	- -	7 -	C	 -		
19	SM 2	x -	950E 240E	0 -	- -	7 -	C	 -		
20	SM 4	x -	750E 350E	0 -	- -	4 -	ACF	 -		
21	SM 4	x -	2,300E 900E	0 -	- -	7 -	ACF	 -		
22	MR 11	K9.5-2 -	500E 120E	x -	x x	7 -		x -		
23	SM 2	- -	- -	- -	- -	* -		- -	*Plant under construction.	
24	SM 2	x -	520E 130E	0 -	- -	7 -	C	 -		
25	SM 2	x -	350E 350E	x -	x x	0 -	BCDF	 -		
26	MR 11	KR169.2- 85.4-81.6	600 100	0 -	- -	5 -	CF	 -		
27	SM 2	x -	4,000E 3,000E	x -	x x	* -	CF	 -	*Second plant under construction.	
28	MR 11	K30 -	600E 400E	770 -	30 5	7 -	CF	 -		
29	SM 2	x -	1,300E 500E	0 -	- -	4 -	C	 -		
30	SM 2	x -	20,000E 15,000E	0 -	- -	1 & 2	CDF	 -		

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1		2	3	4	5	6	7	8	
DODGE CITY	Diehl Dairy	x -	- -	20 H	x x	x x	C -	x -	1
DODGE CITY	Jones Packing Co.	x -	- -	20 F	x x	x x	x -	Arkansas River -	2
DODGE CITY	Shuman Packing Co.	x -	- -	x x	x x	x x	Cs -	Drainage ditch -	3
DOUGLASS		729 880-4	650 -	S -	x -	- -	None* -	Walnut River -	4
DOWNS		1,221 -	1,000 -	S -	x -	1.5 0.15	ShCiFtrCpBo -	North Fork of Solomon River	5
DWIGHT	Dwight Dairy Products	x -	- -	20 R	x x	- -	None -	x -	6
EASTBOROUGH		708 -	(x) -	S -	- -	- -	See Wichita -	Arkansas River -	7
EL DORADO		11,037 11.000-4	9,900 -	S -	x -	8.5 0.75	OaCmAaCmDcmhrtBc -	Walnut River -	8
ELDORADO	Eldorado Refinery	x -	- -	29 A	x -	x x	Oil Ponds -	West Branch, Walnut River	9
ELDORADO	Skelley Oil Refinery	x -	- -	29 A	x -	x x	S[Cm]CL(Storage lag. for storm water)**	Walnut River -	10
ELGIN		212 -	160 -	S -	x -	0.2 0.02	CiBo -	Caney River -	11
ELK CITY		524 -	x -	*S -	x -	x x	x* -	Elk River -	12
ELK COUNTY	Moline Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Wildcat Creek & Sub-surface	13
ELK COUNTY	Arbuckle Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Caney River & Sub-surface	14
ELK COUNTY	New Albany Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Indian Cr to Fall R. & Sub-surface	15
ELKHART		1,132 -	1,100 -	S -	x -	0.80 0.08	CiLoLs -	Lagoon -	16
ELLINWOOD		- 2.500-4	3,000 -	S -	x -	- -	None -	Arkansas River -	17
ELLINWOOD	W.E. Richardson & Sons Packing Co	x -	- -	20 E	x x	x x	C L -	x -	18
ELLIS		2,649 -	1,500 -	S -	x -	4.0 0.51	ShCiFtrCpBo -	Big Creek -	19
ELLSWORTH		2,193 2,505-5	2,500 -	S -	x -	1.8 0.13	ShCiFtrCpBo -	Smoky Hill River -	20
ELLSWORTH	Warner's Market	2 -	- -	20 E	x x	- -	None -	Smoky Hill River -	21
EMPORIA		15,669 -	15,800 -	S -	1.2E -	10.0 1.0	ShCmFtnCpDfhrtBo -	Cottonwood River	22
EMPORIA	Fanestil Packing Co.	x -	- -	20 F	x x	- -	None -	x -	23
EMPORIA	Morgan Packing Co.	x -	- -	20 F	x x	- -	None -	Cottonwood River -	24
ENTERPRISE		795 -	600 -	S -	x -	1.0 0.1	ShCiBo -	Smoky Hill River -	25
ERIE		1,296 1,607-5	1,500 -	S -	x -	- -	None -	Neosho River -	26
EUDORA		929 -	1,200 -	S -	x -	1.5 0.08	ShCiBo -	Wakarusa River -	27
EUREKA		3,958 -	3,500 -	S -	x -	4.0 0.4	ScCmFtrCpDchrBo -	Fall River -	28
FAIRWAY		1,816 -	(x) -	x -	- -	- -	See Mission Township S.D.#1	Turkey Creek -	29
FLORENCE		1,009 900-4	1,000 -	S -	x -	- -	CiBo* -	Doyle Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE KANSAS	YEAR 1957	PAGE 4 of 16

LINE No.	DRAIN-AGE BASIN / SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT 15	DOWNSTREAM WATER USE: FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	SM 2	x -	x x	x -	x x	x -		x x		
2	SM 2	x -	x x	x -	x x	x -		x -		
3	SM 2	x -	x x	x -	x x	x -		x -		
4	SM 2	A703.6- 59.5	650E 650E	x -	x x	*0 -	CF	-	*Plans completed	
5	MR 11	KR169.2- 171.6-11.5	1,130 280	x -	x x	7 -	C	-		
6	SM 4	x -	300E 300E	x -	x x	0 -		x -		
7	SM 2	- -	- -	- -	- -	- -		- -		
8	SM 2	A703.6- 94.0	13,000E 5,000E	0 -	x x	4 -	BCF	-	New plant under construction.	
9	SM 2	A703.6- 94.7-2.6	4,500E 4,500E	x -	x x	*0 -	CFJ	-	*In planning stage	
10	SM 2	A703.6 93.0	21,000E*** 21,000E	x -	x x	*2 -	CF	-	*In planning stage.**Is later returned to treat-	ment process.***Est. and checked from stream data.
11	SM 3	* -	160E 100E	x -	x x	5 -	CF	x	*V78.3-132.5-114.5	
12	SM 3	x -	x x	x -	x x	*7 -		x x	*Not constructed	
13	SM 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
14	SM 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
15	SM 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
16	SM 8	- -	1,100E 0	- -	- -	4 -	D	-		
17	SM 2	x -	3,000E 3,000E	x -	x x	0 -	CF	-		
18	SM 2	x -	x x	x -	x x	x -		x x		
19	MR 11	KR169.2- 292.1-44.0	1,500E 180E	0 -	- -	7 -	C	-		
20	MR 11	KR169.2- 238.3	2,500E 700E	x -	x x	1 &5	C	-		
21	MR 11	KR169.2- 238.3	230E 230E	x -	x x	0 -	C	-		
22	SM 4	x -	15,800E 6,000E	0 -	- -	1 & 4	ACF	-		
23	SM 4	x -	4,000E 4,000E	x -	x x	0 &6		x -		
24	SM 4	x -	200E 200E	x -	x x	0 &6		x -		
25	MR 11	KR169.2- 55.4	600E 400E	x -	x x	7 -	CF	-		
26	SM 4	x -	4,000E 4.000E	x -	x x	0 -	ABCFTJ	-		
27	MR 11	K40.7-1 -	1,740E 1,130E	x -	x x	7 -	ACF	-		
28	SM 3	V215.3- 81.9	3,500E 900E	x -	x x	7 -	CF	-		
29	MR 11	- -	- -	- -	- -	- -		- -		
30	SM 4	x -	1,000E 800E	0 -	- -	4 -	C	-	*Grossly inadequate	

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS 4	AVERAGE DAILY FLOW MGD 5	Lbs/d for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	Discharge to 8	LINE No.
FORT DODGE	Soldier's Home	- 500-4	500 -	S -	x -	- -	None -	Arkansas River -	1
FORT RILEY		- 13,000-3	13,000 -	x -	x -	x x	CmFtrCmDhrBo -	Kansas River -	2
FORT SCOTT		10,335 -	11,000 -	S -	x -	11.0 0.9	ShGhCmFtrDfhrBo -	Marmaton River -	3
FOWLER		778 -	500 -	S -	x -	1.00 0.10	ShCiFtrCpLoBo -	Crooked Creek -	4
FRANKFORT		1,237 -	1,000 -	S -	x -	- -	Lo -	Black Vermillion River	5
FREDONIA		3,257 -	3,500 -	S -	x -	5.0 0.5	ScCiFtrCpBo -	Fall River -	6
FRONTENAC		1,569 -	1,800 -	S -	x -	0.5 0.13	CiFsBo -	Cow Creek -	7
FRONTENAC	Menghini Packing Co.	x -	- -	20 F	x x	x x	x -	Creek -	8
GALENA		4,029 3,700-4	3,800 -	S -	x -	- -	None -	Short Creek -	9
GALENA	Eagle Pitcher Co. *	x -	- -	33 BD	x x	- -	None -	Short Creek -	10
GALENA	Ozark Mountain Distillery	x -	- -	20 O	x x	- -	None -	x -	11
GALVA		426 -	470 -	S -	x -	0.7 0.04	CiFsBo -	Dry creek -	12
GARDEN CITY		10,905 -	10,000 -	S -	x -	- -	None -	Arkansas River -	13
GARDEN CITY	Garden City Co.	x -	- -	20 A	x -	- -	None -	Arkansas River -	14
GARDEN PLAIN		323 -	160 -	S -	x -	0.6 0.05	ShCmFtrCmDcpBo -	Dry tributary to Polecat Creek	15
GARDNER		676 -	850 -	S -	x -	1.0 0.07	ShCiFtrCpBo -	Dry Tributary to Bull Creek	16
GARNETT		2,693 -	2,700 -	S -	x -	1.5 0.21	ShCmFtrCpDcpBo -	Tributary to Pottawatomie Cr.	17
GAYLORD		231 -	170 -	S -	x -	0.45 0.04	ShCiFtrCpBo -	North Fork of Solomon River	18
GENESEO		660 -	600 -	S -	x -	0.75 0.05	ShCiFtrCpBo -	Trib. to Little Arkansas River	19
GEUDA SPRINGS		245 240-4	150 -	S -	x -	- -	None -	Arkansas River -	20
GIRARD		2,426 -	1,950 -	S -	x -	0.6 0.41	CiFsBo -	Thunderbolt Creek -	21
GLASCO		803 -	600 -	S -	x -	0.9 0.09	ShCiFtrCpBo -	Solomon River -	22
GLENWOOD HEIGHTS (Johnson County)		- x	1,170 -	S -	x -	0.68 0.07	ShCpAcCpAcCpDcp -	Dry Tributary to Indian Creek	23
GODDARD		274 -	160 -	S -	x -	0.6 0.03	ShCmFtrCmDcpBo -	Dry Tributary to Cowskin Creek	24
GOESSEL		- 250-4	335 -	S -	x -	0.5 0.04	ShCiLo -	Dry Tributary Middle Emma Cr.	25
GOODLAND		4,690 -	4,000 -	S -	x -	6.0 0.45	ShGhCmDchrtBoLo -	North Fork Sappa Creek	26
GREAT BEND		12,665 -	15,000 -	S -	x -	- -	None* -	Arkansas River -	27
GREAT BEND	Powell Custom Slaughtering	x -	- -	20 E	x x	- -	Is -	Sub-surface -	28
GREAT BEND	Thies Packing Co., Inc.	x -	- -	20 F	x x	- -	None -	Arkansas River -	29
GREENLEAF		614 -	650 -	S -	x -	0.8 0.08	ShCiFtrCpBo -	Dry tributary of Coon Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
KANSAS	1957	5 of 16

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (000) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: DESIGN FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT FUTURE	REMARKS 16	ADDITIONAL COMMENTS 17
1	SW 2	x -	500E 500E	x -	x x	*0 -	CDF	 -	*Plant under construction	
2	WR 11	K166.7 -	13,000 5,500	350 -	30 5	7 -	CF	 -		
3	WR 14	0273.5- 18.2-32.2	20,000E 10,000E	0.8 -	30 5	1 A2*	CF	 -	*Part of needed additions under construction.	
4	SW 7	x -	500E 50E	0 -	- -	7 -	C	 x		
5	WR 11	* -	1,000E 100E	x -	x x	0 -	C	 -	*K142.5-138.9-48.1-12.0	
6	SW 3	V215.3- 26.0	3,500E 880E	x -	x x	7 -	ABCF	 -		
7	SW 4	x -	1,800E 900E	0 -	- -	4 or6	C	 -		
8	SW 4	x -	x 900E	x -	x x	4 -		x -		
9	SW 4	x -	3,800E 3,800E	x -	x x	0 -	CFIJ	 -		
10	SW 4	x -	inorganic inorganic	0 -	- -	x -		x -	*Lead & Zinc Smelter	
11	SW 4	x -	x x	0 -	- -	0 -		x -		
12	SW 2	* -	470E 60E	0 -	- -	7 -	C	 -	*A774.5-22.9-3.8-2.3	
13	SW 2	x -	13,000E 13,000E	0 -	- -	*0 -	CDF	 x	*Prel. report completed.	
14	SW 2	x -	x x	0 -	x x	0 -	CDF	 -		
15	SW 2	x -	160E 40E	0 -	- -	7 -	C	 -		
16	WR 14	0360.2-35 -	850E 210E	0 -	- -	7 -	C	 -		
17	WR 14	0367.4- 31.2	2,700E 700E	0 -	- -	1 -	ACF	 -		
18	WR 11	* -	170E 40E	x -	x x	5 -	C	 -	*KR169.2-84.5-171.6-42.9	
19	SW 2	A774.5- 100.3	600E 100E	0 -	- -	5 -	C	 -		
20	SW 2	x -	150E 150E	x -	x x	0 -	CF	 -		
21	SW 4	x -	1,950E 1,000E	0 -	- -	*4 -	CF	 -	*Plans being prepared, funds authorized.	
22	WR 11	KR169.2- 85.4-92.7	750E 250E	x -	x x	7 -	CF	 -		
23	WR 12	W368.7-26- 6	1,170E 500E	0 -	- -	6 -	C	 -		
24	SW 2	x -	160E 40E	0 -	- -	7 -	C	 -		
25	SW 2	A774.5 27.3-19.3	335E 30E	x -	x x	7 -	C	 -		
26	WR 11	* -	4,000E 1,000E	0 -	- -	7 -	C	 -	*KL169.2-258.0-107.8-99.0	
27	SW 2	x -	18,000E 18,000E	0 -	x x	0 -	CF	 -	*Plant under construction	
28	SW 2	- -	x x	- -	- -	x -		- -		
29	SW 2	x -	3,700E 3,700E	x -	x x	x -		x -		
30	WR 11	* -	650E 100E	0 -	- -	7 -	C	 -	*K142.5-138.9-7.5-24.0	

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'n for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
GREENSBURG		1,723 -	1,600 -	S -	x -	1.6 0.2	ShClFtrCpBo -	Dry creek -	1
GREENWOOD COUNTY	Atyeo Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	2
GREENWOOD COUNTY	Beaumont Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Otter Cr. to Fall R. & Sub-surface	3
GREENWOOD COUNTY	Brinegar Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Verdigris River & Sub-surface	4
GREENWOOD COUNTY	Browning Oil Pool	x -	- -	13 A	x x	- x	Is (Part ofbrine) -	Fall River & Sub-surface	5
GREENWOOD COUNTY	Burkett Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Indian Creek & Sub-surface	6
GREENWOOD COUNTY	Climax Oil Pool	x -	- -	13 A	x x	- x	Lo -	Fall River -	7
GREENWOOD COUNTY	Demalorie Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	8
GREENWOOD COUNTY	Eureka Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Fall River & Sub-surface	9
GREENWOOD COUNTY	Frankhouser Oil Pool	x -	- -	13 A	x x	- x	LIs(Part of brine) -	Upper Verdigris R & Sub-surface	10
GREENWOOD COUNTY	Hamilton Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Willow Creek & Sub-surface	11
GREENWOOD COUNTY	Lamont Oil Pool	x -	- -	13 A	x x	- x	LIs (Part of brine) -	Upper Verdigris R & Sub-surface	12
GREENWOOD COUNTY	Madison Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	13
GREENWOOD COUNTY	North Virgil Oil Pool	x -	- -	13 A	x x	- x	LIs (Part of brine) -	Upper Verdigris R & Suu-surface	14
GREENWOOD COUNTY	Pixlee Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	15
GREENWOOD COUNTY	Quincy Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	16
GREENWOOD COUNTY	Reese Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Spring Cr to Fall R. & Sub-surface	17
GREENWOOD COUNTY	Rock Creek Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	x & Sub-surface	18
GREENWOOD COUNTY	Sallyards Oil Pool	x -	- -	13 A	x x	- x	Is (All of Brine) -	Spring Cr.to Fall R. & Sub-surface	19
GREENWOOD COUNTY	Scott Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Fall River & Sub-surface	20
GREENWOOD COUNTY	Seeley Oil Pool	x -	- -	13 A	x x	- x	Is (Part of Brine) -	Willow Creek & sub-surface	21
GREENWOOD COUNTY	Severy Oil Pool	x -	- -	13 A	x x	- x	Lo -	Fall River -	22
GREENWOOD COUNTY	Teeter Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Upper Verdigris R & Sub-surface	23
GREENWOOD COUNTY	Thrall Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Fall river & Sub-surface	24
GREENWOOD COUNTY	Wiggins Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Bachelor Cr. & Sub-surface	25
GREENWOOD COUNTY	Wilkerson Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Fall River & Sub-surface	26
HALSTEAD		1,388 1,400-4	1,300 -	S -	x -	- -	CaL -	Little Arkansas River	27
HAMILTON		456 -	350 -	S -	x -	0.3 0.05	ClFsBo -	Wi[illegible] Creek -	[illegible]
HANOVER		854 -	650 -	S -	x -	- -	None* -	Little Blue River -	29
HARDTNER		373 340-4	275 -	S -	x -	0.5 0.05	ShClFtrCpBo -	Driftwood Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (000) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	SW 2	x -	1,[illegible]00E 250E	0 -	- -	*1 *5	C -	*Enlargement under construction.	
2	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
3	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
4	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
5	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
6	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
7	SW 3	x -	inorganic inorganic	x -	x x	x -	x -		
8	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
9	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
10	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
11	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
12	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
13	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
14	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
15	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
16	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
17	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
18	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
19	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
20	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
21	SW 3	x -	*Salt Brine	x -	x x	[illegible] -	x -	* Part of brine is not reinjected.	
22	SW 3	x -	inorganic inorganic	x -	x x	x -	x -		
23	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
24	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brineis not reinjected.	
25	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
26	SW 3	x -	*Salt Brine	x -	x x	7 -	x -	* Part of brine is not reinjected.	
27	SW 2	A774.5- 34.3	1,300E 1,300E	x -	x x	4 -	CF -		
28	SW 3	x -	350E 90E	0 -	x x	7 -	CF		
29	WT 11	K142.5- 138.9 26.4	1,170E 1,170E	x -	x x	*0 -	C -	*Primary plant under-construction.	
30	SW 2	x -	275E 70E	0 -	- -	7 -	C -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
HARPER		1,672 -	1,460 -	S -	x -	1.3 0.1	ShCiFtrCpBo -	Sand Creek -	1
HAVEN		821 -	800 -	S -	x -	1.2 0.12	CiFtrCpBo -	Dry creek -	2
HAYS	(South Plant)	8,625 -	3,300 -	S -	x -	3.3 0.36	ScCmFtrCpDcmhrBo -	Big Creek -	3
HAYS	(South-East Plant)	- -	6,000 -	S -	x -	8.0 1.35	Sc[Sh]CmFtrCmDchrBo -	Tributary to Big Creek -	4
HAYSVILLE		- 1.000-5	3,500 -	S -	x -	4.0 0.4	Sc[Sh]CiFtrCpBo -	Cowskin Creek -	5
HERINGTON		3,775 -	3,400 -	S -	x -	3.0 0.52	SmCmAaCmDchrBo -	Lime Creek -	6
HERNDON		321 -	250 -	S -	x -	0.2 0.03	CiFsBo -	Beaver Creek -	7
HESSTON		686 700-4	700 -	S -	x -	1.0 0.07	ShCmDopBo -	Middle Emma Creek -	8
HIAWATHA	Plant # 1	3,294 -	1,400 -	S -	x -	8.0 0.1	ShCiFsDpBo -	Wolf River -	9
HIAWATHA	Plant # 2	- -	800 -	S -	x -	1.25 0.08	ShCiFsBo -	Branch of Wolf River -	10
HIAWATHA	Plant # 3	- -	600 -	S -	x -	2.0 0.12	ShCiFsBoLs -	Branch of Walnut Creek -	11
HIAWATHA	Hiawatha Rendering Co.	2 -	- -	20 P	x x	x x	CsIs -	Sub-surface -	12
HILL CITY		1,432 -	950 -	S -	x -	1.8 0.18	ShCiFtrCpLoBo -	South Fork of Solomon River -	13
HILLSBORO		2,150 1,900-4	2,000 -	S -	x -	1.7 0.25	ShCmFtnCpDcptBo -	Wall Creek -	14
HILLSBORO	Central Kan.Coop. Creamery Assn.	x -	- -	20 L	x x	x x	CiFtrCpLoDp -	x -	15
HOISINGTON		4,012 4,000-4	3,900 -	S -	x -	5.5 0.55	ShCiFtrCmBo -	Shop Creek -	16
HOLTON		2,705 -	2,400 -	S -	x -	2.0 0.12	ShCmAaCmDchrtBoLs -	Elk Creek -	17
HOLYROOD		748 -	700 -	S -	x -	0.7 0.07	ShCiFtrCpBo -	Plum Creek -	18
HOPE		480 500-4	470 -	S -	x -	0.6 0.06	ShCiFtrCpBo -	West Fork of Lyons Creek -	19
HORTON		2,354 -	2,400 -	S -	x -	0.5 0.3	ShCmAaCmDcpBo -	Grasshopper River -	20
HOWARD		1,149 -	1,000 -	S -	x -	0.3 0.08	CiFtnCpBo -	Paw Paw Creek -	21
HOXIE		1,157 -	900 -	S -	x -	1.2 0.12	ShCiFtrBo -	Sand Creek -	22
HUDSON		164 -	150 -	S -	x -	0.40 0.03	ShCiFtrCpLoBo -	Dry tributary to Rattlesnake Cr. -	23
HUGOTON		2,781 2,451-3	2,400 -	S -	x -	4.50 0.36	ShCmFtrCmLoDcpBo -	Pond -	24
HUMBOLDT		2,308 -	1,900 -	S -	x -	2.5 0.35	CiFtrCpBo -	Neosho River -	25
HUTCHINSON		33,575 35,000-4	33,000 -	S -	x -	35.0 3.5	ShApCmFtrCmDefrtBo -	Arkansas River -	26
HUTCHINSON	Bartons Salt Plant	x -	- -	14 -	x -	- -	None -	Cow Creek -	27
HUTCHINSON	Hutchinson Industrial Sewer*	x -	x -	268 14 H -	x -	- -	None -	Arkansas River -	28
HUTCHINSON	Mortons Salt Plant	x -	x -	14 -	x -	- -	x -	Salt Creek -	29
INDEPENDENCE		11,335 -	12,000 -	S -	x -	8.0 1.5	ShCiFtnCpDcpZaBo -	Rock Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD)	STREAM FLOW FOR DESIGN		POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
			UNTREATED WASTE DISCHARGED WASTE	MINIMUM FLOW CFS	Duration (Days) Frequency (Years)					
	9	10	11	12	13	14	15		16	17
1	SM 2	x -	1,460E 270E	0 -	x x	1 -	C			
2	SM 2	A801.7- 7.3	800E 200E	0 -	- -	7 -	C			
3	WR 11	* -	3,300E 600E	0 -	- -	7 -	AC	 -	*KR169.2-292.1-25.0	
4	WR 11	x -	7,500E 1,500E	0	- -	7 -	AC	 -		
5	SM 2	x -	3,500E 600E	0 -	x x	7 -	CF	 -		
6	WR 11	KR169.2- 14.0-37.0	3,600E 1,000E	x -	x x	1 -	CF	 -		
7	WR 11	* -	250E 60E	0 -	- -	1 45	C	 -	*KL169.2-258.0-12.3-116.5	
8	SM 2	* -	1,000E 700E	0 -	- -	2 -	CF	 x	*A774.5-27.3-4.6-12.0	
9	WR 12	W496-34 -	1,400E 700E	0 -	- -	4 -	C	 -		
10	WR 12	W496-34 -	800 200	0 -	- -	1 45	C	 -		
11	WR 12	W511.2-23- 13	2,100 250	0 -	- -	1 45	CF	 -		
12	WR 12	- -	950 0	- -	- -	7 -		- -		
13	WR 11	* -	1,180E 300E	0 -	- -	7 -	C	 -	*KR169.2-85.4-171.6-118.0	
14	SM 4	x -	2,000E 400E	0 -	- -	1 -	CF	 -		
15	SM 4	x -	x x	0 -	- -	7 -		x -		
16	SM 2	A813.3-x -	4,000E 800E	0 -	- -	7 -	CHJ	 -		
17	WR 11	K63.3-42.6 -11.6	3,910E 2,000E	0 -	- -	4 -	C	 -		
18	SM 2	A813.3-x -	700E 130E	0 -	- -	7 -	CF	 -		
19	WR 11	x -	470E 75E	0 -	- -	5 -	C	 -		
20	WR 11	K63.3-50.3 -5.6	3,360 1,700E	x -	x x	*4 -	C	 -	*Bonds voted.	
21	SM 3	E197.9- 67.2	1,000E 500E	0 -	- -	*4 -	CF	 -	*Plant under construction	
22	WR 11	* -	1,320E 330E	0 -	- -	2 -	C	 -	*KR169.2-85.4-171.6-148.0 -8.0	
23	SM 2	x -	150E 15E	0 -	- -	7 -	C	 -		
24	SM 7	- -	2,400E -	- -	- -	7 -	H	 -		
25	SM 4	x -	1,900E 480E	x -	x x	7 -	ACFJ	 -		
26	SM 2	AP13.5 -	65,000E 15,000E	x -	x x	*4 -	CF	 -	*Plant relocation indi addition to city can be	cated so organic industrial wastes & served by one treatment plant
27	SM 2	A813.3-9.6 -	x x	x -	x x	*0 -	CDF	 -	*Study underway.	
28	SM 2	A816.6 -	26,000E** 26,000E	x -	x x	0 or6	CF		*Carey Salt Plant & Cen- tral Fibre Products Co.	**Based on B.O.D.; 84,000 based on suspended solids. Studies underway
29	SM 2	A821.5-0.1 -	x x	x -	x x	*0 -	CF	 -	*Study underway.	
30	SM 3	x -	12,000E 5,000E	0 -	- -	4 -	ABCFJ	 -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
INMAN		615 700-4	720 -	S -	x -	0.75 0.07	ShCiFtrCpBo -	Dry Creek -	1
IOLA		7,094 6,800-4	5,700 -	S -	x -	5.0 1.58	ShCiFtmCpBo -	Elm Creek -	2
IOLA	Pet Milk Co.	x -	- -	20 HJ	x -	- -	None -	Dry Tributary to Neosho River	3
JAMESTOWN		494 -	400 -	S -	x -	0.65 0.05	ShCiFtrCpBo -	Buffalo Creek -	4
JETMORE		988 -	1,000 -	S -	x -	1.5 0.15	ShCiFtrCpBo* -	Buckner Creek -	5
JOHNSON CITY		994 -	600 -	S -	x -	1.0 0.10	ShCiFtrCpBoLo -	Pond -	6
JUNCTION CITY		13,462 -	12,000 -	S -	x -	18.0 1.8	[Sc][Sh]CmDchprtBo -	Republican River & Smoky Hill R.	7
JUNCTION CITY	4-H Camp	- x	x -	S -	x -	0.5 0.02	CiFsEchBo -	Stoney Creek -	8
KANSAS CITY *		129,553 -	50,000 -	C -	x -	- -	None -	Kansas River -	9
KANSAS CITY	- -	- -	50,000 -	C -	x -	- -	None -	Missouri River -	10
KANSAS CITY	Armour & Co.	2,500 -	- -	20 F	0.12 CP	- -	None -	Kansas River -	11
KANSAS CITY	Kansas City Stock Yards Co.	x -	- -	20 R	x x	- -	None -	Kansas River -	12
KANSAS CITY	Missouri Valley Serum Co.	x -	- -	28 C	x x	- -	None -	Kansas River -	13
KANSAS CITY	National Cylinder Gas Co.	3 -	- -	29 C	0.01 x	- x	C -	Kansas River -	14
KANSAS CITY	National Laboratory Corp.	x -	- -	28 C	x x	- -	None -	Kansas River -	15
KANSAS CITY	Phillips Oil Co.	1,350 -	- -	29 A	x x	x x	7 (API Separators) -	Missouri River -	16
KANSAS CITY	Proctor & Gamble	560 -	- -	28 C	5.328 x	- -	None -	Kansas River -	17
KANSAS CITY	Santa Fe Railroad Maintenance Shop	x -	- -	34 I	x x	- -	None -	Kansas River -	18
KANSAS CITY	Sinclair Refining Co.	x -	- -	29 E	x x	- -	None -	Kansas River -	19
KANSAS CITY	Swift & Co.	2,300 -	- -	20 F	x x	- -	None -	Kansas River -	20
KANSAS CITY	T.W.A. Motor Overhaul Base	2,500 -	- -	34 CI	x x	x x	x -	Missouri River -	21
KANSAS CITY	Union Pacific Railroad Shops	300 -	- -	34 I	x x	x x	7 (Separator) -	Kansas River -	22
KANSAS CITY	Wilson & Co.	1,500 -	- -	20 F	0.092 CP	- -	None -	Kansas River -	23
KENSINGTON		635 -	575 -	S -	x -	x x	ShCiFtrCpBo -	Mid Cedar Creek -	24
KINGMAN		3,200 3,400-4	2,500 -	S -	x -	3.7 0.37	ShCmFtrCpDchmprtBo -	South Fork of Ninnescah River	25
KINSLEY		2,479 2,500-4	1,800 -	S -	x -	- -	None -	Arkansas River -	26
KIOWA		1,561 1,500-4	1,500 -	S -	x -	1.0 0.15	CiFsBo -	Dry creek -	27
LA CROSSE		1,769 -	1,750 -	S -	x -	1.6 0.15	CiFtrCpBo -	Sand Creek -	28
LA CYGNE		794 -	500 -	S -	x -	0.8 0.06	CiBo -	Marais des Cygnes River	29
LAKIN		1,618 -	1,000 -	S -	x -	- -	None -	Arkansas River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: [illegible] FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT (15)	FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	SM 2	* -	770E 130E	0 -	- -	7 -	C	-	*A774.5-51.2-14.6-2.5	
2	SM 4	x -	6,000E 3,000E	0 -	- -	4 -	ACFJ	-		
3	SM 4	x -	x x	x -	x x	6 -	ACFJ	-		
4	MR 11	KL169.2- 105.8-9	600E 120E	0 -	- -	0 -	C	-		
5	SM 2	x -	1,000E 150E	0 -	- -	7 -	CF	-	*Liquid sludge to farm lands.	
6	SM 7	- -	600E 0	- -	- -	7 -	D	-		
7	MR 11	KL169.2- 4.2	13,160E 8,600E	x -	x x	7 -	C	-		
8	MR 11	x -	x x	x -	x x	7 -		x -		
9	MR 11	K3.0 -	153,100E 153,100E	770 -	30 5	0 -	ABFK	-		
10	MR 12	M380 -	71,000 71,000	x -	x x	0 -	ABCFJ	-		
11	MR 11	K2.8 -	235,000E 235,000E	770 -	30 5	0 -	ABFK	-		
12	MR 11	K1.7 to K2.5	12,000E 12,000E	770 -	30 5	0 -	ABFK	-		
13	MR 11	K2.6 -	1,200E 1,200E	770 -	30 5	0 -	ABFK	-		
14	MR 11	K5.3 -	inorganic inorganic	770 -	30 5	7 -	ABFK	-		
15	MR 11	K2.5 -	2,700E 2,700E	770 -	30 5	0 -	ABFK	-		
16	MR 12	M380.2 -	36,000E 24,000E	x -	x x	7 -	ABCFJ	-		
17	MR 11	K5.6 -	46,800E 46,800E	770 -	30 5	0 -	ABFK	-		
18	MR 11	K6.1 -	x x	770 -	30 5	0 -	ABFK	-		
19	MR 11	K5.2 -	x x	770 -	30 5	7 -	ABFK	-		
20	MR 11	K1.9 -	255,000E 255,000E	770 -	30 5	0 -	ABFK	-		
21	MR 12	M391 -	x x	x -	x x	x -	ABCFJ	-		
22	MR 11	K1.0 -	x x	770 -	30 5	7 -	ABFK	-		
23	MR 11	K2.8 -	32,000 32,000	770 -	30 5	0 -	ABFK	-		
24	MR 11	* -	575E 100E	0 -	- -	7 -	C	-	*K169.2-85.4-171.6-48.5-15	
25	SM 2	x -	2,500E 375E	x -	x x	7 -	CF	-		
26	SM 2	x -	1,800E 1,800E	x -	x x	0 -	CDF			
27	SM 2	x -	1,500E 750E	0 -	- -	7 -	C	-		
28	SM 2	x -	1,750E 900E	x -	x x	1 -	C	-		
29	MR 14	0332.1 -	500E 320E	2.5 -	30 5	2 -	CF	-		
30	SM 2	x -	1,000E 1,000E	x -	x x	0 -	BCDF	-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
LANSING	State Penitentiary	- 3.000-9	2,000 -	S -	x -	x x	Sc[Sh]CiFtrCpBo -	Nine Mile Creek -	1
LARNED		4,447 -	4,500 -	S -	x -	- -	None -	Arkansas River -	2
LARNED	Rankin Slaughter Co.	x -	- -	20 E	x x	x x	Is -	Sub-surface -	3
LARNED	State Hospital	- 3,000-4	3,000 -	S -	x -	3.4 0.3	ShCiFtrCmLo -	Irrigation Canals & Pawnee Creek	4
LAWRENCE		23,351 -	23,000 -	S -	x -	- -	None -	Kansas River -	5
LAWRENCE	Co-op Farm Chemical Plant	- x	- -	28 C	x -	- -	None -	Kansas River -	6
LAWRENCE	Haskell Institute	- 500-2	500 -	S -	x -	x x	x -	Wakarusa River -	7
LAWRENCE	Lawrence Paper Co.	x -	- -	26 I	x x	- -	None -	Kansas River -	8
LAWRENCE	Westvaco Chemical Plant	x -	- -	28 C	1.58 -	- -	None -	Kansas River -	9
LEAVENWORTH		20,579 -	15,000 -	S -	x -	- -	None -	Missouri River -	10
LEAVENWORTH	Federal Penitentary	- 2.590-2	2,590 -	S -	x -	- -	None -	Missouri River -	11
LEAVENWORTH	Fort Leavenworth	- 6,000-2	6,000 -	S -	x -	- -	None -	Missouri River -	12
LEAVENWORTH	National Battery Co.	125 -	- -	28 C	x x	- x	C -	Missouri River -	13
LEAWOOD	(East Plant)	1,167 6,000-3	3,500 -	S -	0.25 -	3.0 0.30	ShCmFtrCmDcfhrBo*	Dykes Branch -	14
LEAWOOD	(South Plant)	- -	4,000 -	S -	x -	5.25 0.40	Sc[Sh]CmFtrCmDchfrBo -	Indian Creek -	15
LENEXA		803 -	1,000 -	S -	x -	2.0 0.2	ShCiFtrCpBo -	Tributary to Indian Creek	16
LEON		518 -	450 -	S -	x -	0.75 0.05	ShCiFtrCpBo -	Little Walnut River	17
LEOTI		1,250 -	750 -	S -	x -	0.9 0.06	ShCiFtrCpBo -	Dry run -	18
LE ROY		695 -	500 -	S -	x -	0.8 0.08	CiFtrBo -	Neosho River -	19
LIBERAL		7,134 -	10,000 -	S -	x -	10.0 1.0	ShCmFtrCpDchptmLoBo -	Lagoon -	20
LINCOLN		1,636 -	1,850 -	S -	x -	2.2 0.22	ShCiFtrCpLoBo -	Saline River -	21
LINDSBORG		2,383 -	1,970 -	S -	x -	2.2 0.18	ScCmFtrCpDcmhrBo -	Smoky Hill River -	22
LINN		395 -	400 -	S -	x -	1.1 0.03	ShCmFtrCmDcpBo -	Linn Br. Pear Creek	23
LITTLE RIVER		635 -	350 -	S -	x -	0.7 0.07	ShCiFtrCpBo -	Little Arkansas River	24
LOGAN		859 -	600 -	S -	x -	1.0 0.1	ShCiFtrCpBo -	North Fork of Solomon River	25
LUCAS		631 -	300 -	S -	x -	0.70 0.07	ShCiFtrCpBo -	Wolf Creek -	26
LYNDON		729 -	600 -	S -	x -	0.2 0.04	CsFcBo -	Salt Creek -	27
LYONS		4,545 -	4,400 -	S -	x -	5.0 0.63	SeShCiFtrCmBo -	Little Cow Creek -	28
LYONS	American Salt Plant	x -	- -	14 -	x -	- -	None -	Cow Creek -	29
McCRACKEN		553 -	350 -	S -	x -	0.75 0.08	ShCiFtrCpBo -	Big Timber Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MEDIAN FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M399.5-1.0 -	4,660E 1,200E	x -	x x	7 -	ABCFJ -		
2	SM 2	x -	4,500E 4,500E	x -	x x	0 -	CF -		
3	SM 2	- -	x x	- -	- -	x -	- -		
4	SM 2	x -	3,400E 600E	x -	x x	7 -	CD -		
5	MR 11	K50.2 -	31,000E 31,000E	x -	x x	*0 -	C -	*Under construction.	
6	MR 11	K47 -	inorganic inorganic	x -	x x	0 -	ABCF -		
7	MR 11	K40.7-10 -	500E 80E	0 -	- -	7 -	C -		
8	MR 11	K50.2 -	4,400 4,400	x -	x x	0 -	CF -		
9	MR 11	K48 -	inorganic inorganic	x -	x x	0 -	ABCF -		
10	MR 12	M408.4 -	15,800E 15,800E	x	x x	0 -	ABCFJ -		
11	MR 12	M140.5 -	2,590E 2,590E	x	x x	0 -	ABCFJ -		
12	MR 12	M410.5 -	6,000E 6.000E	x -	x x	0 -	ABCFJ -		
13	MR 12	M408.2 -	inorganic inorganic	x -	x x	4 -	ABCFJ -		
14	MR 12	M368.7-26- 1.7-3	3,500E 1.500E	0 -	- -	1 -	CFHJ -	*Trt. Plant is located in Missouri.	
15	MR 12	M368.7- 26-5	4,000E 600E	0	x -	7 -	CFHJ -		
16	MR 12	M368.7- 26.0-13	1,000E 200E	0 -	- -	5 -	CF -		
17	SM 2	A703.6- 64.2-x	450E 110E	0 -	- -	7 -	CF -		
18	SM 2	x -	750E 150E	0 -	- -	7 -	C -		
19	SM 4	x -	500E 200E	x -	x x	2 -	ACFJ		
20	SM 7	- -	10,000E 0	- -	- -	1* -	D -	*Under construction.	
21	MR 11	KR169.2- 106.5-97.4	1,850E 380E	x -	x x	7 -	C -		
22	MR 11	KR169.2- 167.4	2,070E 520E	20 -	30 5	7 -	C -		
23	MR 11	KL169.2- 58-20-3	1,000E 250E	0 -	- -	7 -	C -		
24	SM 2	A774.5- 90.7	350E 90E	0 -	x x	7 -	C		
25	MR 11	* -	600E 150E	x -	x x	7 -	CF -	*KR169.2-85.4-171.6-100.0	
26	MR 11	* -	300E 70E	0 -	- -	7 -	C -	*KR169.2-106.5-93-16-17	
27	ZR 14	O424.7- 20.4	600E 300E	0.6 -	30 5	*4 -	CF -	*Under construction.	
28	SM 2	A813.3- 41.0-1.6	4,400E 900E	0 -	- -	7 -	CF		
29	SM 2	A813.3- 40.5	inorganic inorganic	x -	x x	*0 -	CF -	*Under study	
30	MR 11	KR169.2- 320-25	350E 50E	0 -	- -	7 -	C -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
McPHERSON		8,689 -	9,000 -	S -	x -	11.0 1.1	ShApGmCmFtrCm DchmprtLsXdBo	Dry Turkey Creek -	1
MACKSVILLE		624 -	500 -	S -	x -	1.0 0.1	ShCiFtrCpLoBo -	Wild Horse Creek -	2
MADISON		1,212 -	1,000 -	S -	x -	0.7 0.1	ShCiFtnBo -	Verdigris River -	3
MAIZE		266 -	500 -	S -	x -	0.5 0.04	ShCiFtrCpBo -	Big Slough -	4
MANHATTAN		19,056 -	20,000 -	S -	x -	33.0 3.4	ShCmDchprtBo -	Kansas River -	5
MANHATTAN	Dearborn Packing Plant	5 -	- -	20 F	x x	- -	None -	Kansas River -	6
MANHATTAN	Patterson-Harwood Laboratories	10 -	- -	28 C	x x	- -	None -	Kansas River -	7
MANKATO		1,462 -	1,480 -	S -	x -	2.1 0.2	ScShClFtrCpBo -	Buffalo Creek -	8
MARION		2,050 -	1,900 -	S -	x -	2.0 0.2	ShCiFtrCpBo -	Mud Creek -	9
MARQUETTE		666 -	550 -	S -	x -	- -	ShCiBo -	Smoky Hill River -	10
MARYSVILLE		3,866 -	3,900 -	S -	x -	- -	None -	Blue River -	11
MEADE		1,763 -	1,700 -	S -	x -	2.5 0.25	ShCmFtrCmDcptBo -	Crooked Creek -	12
MEDICINE LODGE		2,288 -	2,300 -	S -	x -	0.5 0.09	CiBo -	Elm Creek -	13
MEDICINE LODGE	Kansas Pwr. & Lt. Gasoline Plant	x -	- -	29 C	x x	x x	CsI -	x -	14
MILBURN WEST (Johnson County)		- x	x -	S -	x -	1.16 0.12	ShCmFtrCpDcpBo -	Dry Branch of Turkey Creek	15
MILTONVALE		911 -	550 -	S -	x -	0.9 0.09	ShCiFtrCpBo -	Chapman Creek -	16
MINNEAPOLIS		1,801 -	1,650 -	S -	x -	- -	ShCiBo -	Solomon River -	17
MINNEOLA		660 -	600 -	S -	x -	1.0 0.10	ShCiFtrCpLoBo -	Dry Fork to Bull Creek	18
MISSION HILLS		1,275 -	(x) -	x -	- -	- -	None (through Kansas City, Mo., sewers)	Blue River -	19
MISSION TWP. SD#1 * (Johnson Co.)		- -	45,000 -	S -	x -	30.0 4.0	ShgShGmCmFtrCmEgc DfhrBo	Turkey Creek -	20
MISSION WOODS		205 -	(x) -	x -	- -	- -	See Mission Twp.SD #1	Turkey Creek -	21
MOLINE		871 -	700 -	S -	x -	0.65 0.09	Ci* FtrCpBo -	Wildcat Creek -	22
MONTEZUMA		509 500-4	460 -	S -	x -	0.1 0.04	CiFsBoXd -	Dry creek -	23
MONTGOMERY COUNTY	Bolton Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Squaw & Onion Crs Elk R & Sub-surf.	24
MONTGOMERY COUNTY	Coffeyville-Cherryvale Oil P.	x -	- -	13 A	x x	- x	Is (Part of brine) -	Lower Verdigris R & Sub-surface	25
MONTGOMERY COUNTY	Jefferson Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Onion Creek & Sub-surface	26
MONTGOMERY COUNTY	Wayside-Havana Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Onion & Coon Crs. & Sub-surface	27
MORAN		616 -	400 -	S -	x -	1.0 0.10	ShCiFtrCpBo -	Dry tributary to Marmaton River	28
MORRILL		362 -	250 -	S -	x -	x x	CiFtnBo -	Walnut Creek -	29
MOUNDRIDGE		942 1,000-4	1,000 -	S -	x -	0.75 0.08	ShCiFtrCpBo -	Black Kettle Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	SM 2	* -	10,000E 1,900E	0 -	- -	7 -	CF	 -	*A774.5-47.6-13.7-10.5	
2	SM 2	x -	500E 50E	x -	x x	7 -		x -		
3	SM 3	V325.7 -	1,000E 500E	x -	x x	4 -		x -		
4	SM 2	A762.0- 22.0	500E 150E	0 -	x x	1 -	C			
5	MR 11	K144.1 -	26,200E 17,000E	620 -	30 5	7 -	CF	 -		
6	MR 11	K144.1 -	240 240	620 -	30 5	0 -	ACF	 -		
7	MR 11	K144.1 -	2,670E 2,670E	620 -	30 5	0 -	ACF	 -		
8	MR 11	KL169.2- 105.2-55.2	1,480E 380E	0 -	- -	7 -	C	 -		
9	SM 4	x -	1,900E 600E	x -	x x	4 -	ACF			
10	MR 11	KR169.2- 167.4	550E 380E	17 -	30 5	7 -	C	 -		
11	MR 11	K142.5- 30.0	6,700E 6,700E	x -	x x	*0 -	CF	 -	*Under construction.	
12	SM 7	x -	1,700E 250E	0 -	- -	7 -	CD			
13	SM 2	x -	2,300E 2,000E	x -	x x	*4 -	CF	 -	*Under construction.	
14	SM 2	x -	x x	x -	x x	x -		x -		
15	MR 11	K3.2-9 -	1,450E 300E	x -	x x	7 -	C	 -		
16	MR 11	KR169.2- 37.6-46.0	550E 140E	0 -	- -	5 -	C	 -		
17	MR 11	KR169.2- 35.4-55.8	2,300E 1,600E	22 -	30 5	7 -	CF	 -		
18	SM 7	x -	600E 100E	0 -	- -	7 -	C			
19	MR 12	- -	- -	- -	- -	- -		- -		
20	MR 11	K2.5-3.0 -	45,000E 12,000E	x -	x x	*1 -	C	 -	*Under construction.	
21	MR 11	- -	- -	- -	- -	- -		- -		
22	SM 3	V56.4-9.5 -	1,000E 500E	0 -	- -	*4 &5	CF	x	*Imhoff tank not suited for Milk wastes	
23	SM 2	x -	460E 250E	0 -	- -	4 -	C	 -		
24	SM 3	x -	*Salt Brine	x -	x x	7 -		x -	* Part of brine is not reinjected.	
25	SM 3	x -	*Salt Brine	x -	x x	7 -		x -	* Part of brine is not reinjected.	
26	SM 3	x -	*Salt Brine	x -	x x	7 -		x -	* Part of brine is not reinjected.	
27	SM 3	x -	*Salt Brine	x -	x x	7 -		x -	* Part of brine is not reinjected.	
28	MR 14	0273.5- 19.2-65	400E 100E	0 -	- -	7 -	C	 -		
29	MR 12	M511.3- 23.0-16.0	250 120	0 -	- -	4 -	C	 -		
30	SM 2	A774.5- 35.3-23.8	1,030E 410E	0	x x	*1 -	C	 -	*Plans prepared.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
MT. HOPE		473 500-4	460 -	S -	x -	0.4 0.05	ShCiLoLs -	Arkansas River -	1
MULVANE		1,387 2,200-4	2,000 -	S -	x -	- -	None -	Arkansas River -	2
NEODESHA		3,723 3,900-4	3,500 -	S -	x -	0.7 0.4	ShCiFtnCpBo -	Verdigris River -	3
NEODESHA	Standard Oil Co. Refinery	x -	- -	29 A	x -	x x	Lo 11 -	Fall River -	4
NESS CITY		1,612 -	1,100 -	S -	x -	0.75 0.1	CiFtnCpBo -	Walnut Creek -	5
NEWTON *		11,590 -	11,000 -	S -	x -	15.0 2.0	ScCmFtrCmDcpBo -	Sand Creek -	6
NICKERSON		1,013 1,000-4	850 -	S -	x -	- -	None -	Arkansas River -	7
NORTH NEWTON		566 -	(x) -	x -	- -	- -	See Newton -	Sand Creek -	8
NORTON		3,060 -	3,000 -	S -	x -	2.0 0.2	ShCiFtrCpBo -	Prairie Dog Creek -	9
NORTON	Norton Ice & Meat Co.	x -	- -	20 E	x x	x x	Cs -	Prairie Dog Creek -	10
NORTON	State Sanitarium	- 1,200-4	1,200 -	S -	x -	1.0 0.15	ShCiFtrCpFsBo -	Prairie Dog Creek -	11
NORWICH		378 -	300 -	S -	x -	0.575 0.06	ShCiFtrCpBo -	Dry Tributary to Sand Creek	12
OAKLEY		1,915 -	1,500 -	S -	x -	2.0 0.2	ShCiFtrCpBo -	Tributary to N. Hackberry Creek	13
OBERLIN		2,019 -	1,400 -	S -	x -	1.5 0.19	ShCiFtrCpLoBo -	Sappa Creek -	14
OGDEN		845 -	1,000 -	S -	x -	1.0 0.07	ShCiBo -	Kansas River -	15
OIL HILL		- 501-1	500 -	S -	x -	x -	Lo -	Drain ditch -	16
OLATHE		5,593 -	7,500 -	S -	x -	2.5* 0.35*	ShCiFtnCpFtrCmBoLs -	Mill Creek -	17
ONAGA		882 -	800 -	S -	x -	0.4 0.04	CiFsBo -	Vermillion River -	18
OSAGE CITY		1,919 -	1,400 -	S -	x -	1.0 0.1	ShApCmFttCpDcp -	Salt Creek -	19
OSAWATOMIE		4,347 -	3,800 -	S -	x -	2.0 0.34	ShCmAaCmDcLs -	Pottawatomie Creek	20
OSAWATOMIE	State Hospital	- 2,000-3	2,250 -	S -	x -	2.5 0.25	ShCiFtrCpBo -	Marais Des Cygnes River	21
OSBORNE		2,068 -	1,500 -	S -	x -	2.5 0.25	ShCiFtrCpBo -	Solomon River -	22
OSWEGO		1,997 -	2,200 -	S -	x -	2.6 0.3	ShApCmFtrCmDchrLoBo -	Turkey Creek -	23
OTIS	Otis Helium Plant	x -	- -	28 A	0.04 x	x x	CsA Le -	x -	24
OTTAWA		10,081 -	10,000 -	S -	x -	12.0 1.2	ShCmAaCmDchmrtLs -	Marias des Cygnes River	25
OVERLAND PARK		- 2,563-1	(x) -	x -	- -	- -	See Mission Twp. SD # 1	Turkey Creek -	26
OXFORD		798 880-4	850 -	S -	x -	- -	None -	Arkansas River -	27
PALCO		405 -	500 -	S -	x -	1.0 0.1	ShCiFtrCpBo -	Trib. to South Fk of Solomon River	28
PAOLA		3,972 -	3,200 -	S -	x -	2.7 0.32	ShCmFtrCpDchmrBo -	Bull Creek -	29
PARSONS		14,750 15,422-3	15,000 -	S -	x -	30.0 3.5	ShGaCmFthCmFtrCm DchpratBoLs	Labette Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	SM 2	x -	460E 0	x -	x x	x -	- -		
2	SM 2	A755.5 -	2,000E 2,000E	x -	x x	0 -	CF -		
3	SM 3	x -	3,500E 1.500E	x -	x x	4 -	ABCF -		
4	SM 3	x -	x x	x -	x x	2 -	ABCFJ		
5	SM 2	x -	1,100E 700E	0 -	- -	4 -	C -		
6	SM 2	A774.5- 25.9-10.6	11,000E 2,800E	0 -	- -	7 -	CF -		
7	SM 2	A829.5 -	850E 850E	x -	x x	0 -	CF -		
8	SM 2	- -	- -	- -	- -	- -	- -		
9	WR 11	KL169.2- 239.8-66.0	3,000E 1,000E	0 -	- -	4 -	C -		
10	WR 11	KL169.2- 239.8-66.0	x 100E	0 -	- -	4 -	C -		
11	WR 11	KL169.2- 239.8-60.7	1,200E 300E	0 -	- -	7 -	C -		
12	SM 2	x -	300E 60E	0 -	- -	7 -	C -		
13	WR 11	KL169.2- 378.2-60.0	1,760E 300E	0 -	- -	7 -	C -		
14	WR 11	KL169.2- 258.0-100.	1,730E 430E	2 -	30 5	1 -	C -		
15	WR 11	K158.9 -	1,000E 700E	330 -	30 5	7 -	CF -		
16	SM 2	x -	500E -	- -	- -	5 -	- -		
17	WR 11	K16.0 12.0 -	7,300E 3,000E	0 -	- -	1** A5	C -	**Plans being prepared.	*Imhoff Tank; Design P.E. 5.0 and Av. Flow 0.75-filter and final basin.
18	WR 11	K116.9-25 -	800E 600E	x -	x x	4 -	C -		
19	WR 14	0424.7- 20.4	1,400E 700E	0.6 -	30 5	1 -	ACF -		
20	WR 14	0367.4-1.0 -	3,800E 1,300E	x -	x x	1 -	CF -		
21	WR 14	0369.5 -	2,500E 500E	x -	x x	7 -	CF -		
22	WR 11	KL169.2- 85.4-26.1	1,500E 380E	10 -	30 5	7 -	C -		
23	SM 4	x -	2,800E 400E	0 -	- -	7 -	C		
24	SM 2	x -	x x	x -	x x	x -	x x		
25	WR 14	0399.8 -	10,000E 2.500E	.1.2 -	30 5	7 -	CF -		
26	WR 11	- -	- -	- -	- -	- -	- -		
27	SM 2	x -	850E 850E	x -	x x	0 -	CF -		
28	WR 11	KL169.2- 171.6 99-8	500E 100E	0 -	- -	7 -	C -		
29	WR 14	0360.2-8.5 -	3,200E 1,200E	x -	x x	4 -	CF -		
30	SM 4	x -	25,000E 2,500E	0 -	- -	7 -	CF		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
PARSONS	Lakin Development	- 30-3	30 -	S -	x -	0.12 0.02	CiLoBo -	Dry tributary to Little Labette Cr	1
PARSONS	Coursey Rendering Co.	x -	- -	20 P	x x	- -	None -	Labette Creek -	2
PARSONS	Jarbo Feed Lots	x -	- -	20 R	x x	- -	None -	Labette Creek -	3
PARSONS	Parsons Provision Co.	x -	- -	x x	x x	- -	None -	Labette Creek -	4
PAWNEE ROCK		339 -	* -	S -	x -	0.8 0.08	ShClFtrCpBoLo -	Dry Watercourse -	5
PEABODY		1,194 -	1,150 -	S -	x -	2.0 0.2	ShFtrCpBo -	Doyle Creek -	6
PHILLIPSBURG		2,589 -	3,000 -	S -	x -	4.0 0.48	ClFtrCpBo -	Plotner Creek -	7
PHILLIPSBURG	Coop Refinery Association	55 -	- -	29 A	0.037 x	x x	O (Skimming Basin) (Le 7)	Beaver Creek -	8
PITTSBURG		19,341 -	18,000 -	S -	x -	40.3 3.0	ShGmApCmFtrCmFtrCm DcfhrtBo	Cow Creek -	9
PITTSBURG	Mt. Carmel Hospital	- 350-3	350 -	S -	x -	0.40 0.36	ShClFtrCpBo -	Abandoned mine -	10
PITTSBURG	Spencer Chemical Co.	x -	- -	28 C	x -	- -	Ponds -	Spring River -	11
PLAINS		- 733-3	300 -	S -	x -	1.0 0.10	ShClFtrCpBo -	Drainage ditch -	12
PLAINVILLE		2,082 -	1,900 -	S -	x -	2.4 0.04	ClFtrCpBo -	Salt Creek -	13
PLEASANTON		1,178 -	1,000 -	S -	x -	1.5 0.09	ClFtmCpBo -	Cady's Creek -	14
POTWIN		465 -	400 -	S -	x -	1.0 0.1	ShClFtrCpBo -	Brush Creek -	15
POTWIN	Vickers Oil Refinery	x -	- -	29 A	x -	x x	Oil Ponds -	Brush Creek -	16
PRAIRIE VILLAGE		- 9,229-3	(x) -	x -	- -	- -	See Mission Twp. SD #1	Turkey Creek -	17
PRATT		7,523 -	7,500 -	S -	x -	7.0 0.41	ScShApCmFthAsCm DchtrH Xd	Ninnescah River -	18
PRESTON		307 -	200 -	S -	x -	0.60 0.05	ShClFtrCpBo -	Dry trib. to N. Fk. Ninnescah R.	19
PRETTY PRAIRIE*		484 -	- -	- -	- -	- -	- -	- -	20
PROTECTION		814 -	900 -	S -	x -	0.75 0.08	ShClFtrCpBo -	West Cavalry Creek	21
QUENEMO		391 -	400 -	S -	x -	0.764 0.06	ShClFtrCpBo* -	Marais des Cygnes River	22
QUINDARO TWP.	S. D. # 1	- -	1,200 -	S -	x -	- -	None -	Kansas River -	23
QUINTER		741 -	400 -	S -	x -	0.85 0.06	ShClFtrCpBo -	Big Creek -	24
ROBINSON		381 -	300 -	S -	x -	0.5 0.03	ClBo -	Wolf Creek -	25
ROLLA*		433 -	- -	- -	- -	- -	- -	- -	26
ROSSVILLE		577 -	400 -	S -	x -	0.6 0.03	ClFtrCpBo -	Cross Creek -	27
RUSSELL		6,483 -	6,000 -	S -	x -	10.0 1.0	[Sc][Sh]CmFtrCm DcptBo	Fossil Creek -	28
SABETHA	North Plant	2,173 -	1,200 -	S -	x -	3.0 0.3	ShClFtrCpBo -	Pony Creek -	29
SABETHA	South Plant	- -	1,000 -	S -	x -	6.0 0.21	ShApCmFtrCmFtrCmDchr Bo	Dry branch to Webster Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE PRESENT (15)	FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	SW 4	- -	300 0	0 -	- -	7 -		x -		
2	SW 4	x -	1,000E 1,000E	x -	x x	0 -		x x		
3	SW 4	x -	14,000E 14,000E	x -	x x	0 -		x x		
4	SW 4	x -	450E 450E	x -	x x	0 -		x x		
5	SW 2	x -	* -	0 -	x x	7 -		x -	*New System.	
6	SW 4	x -	1,200E 180E	0 -	- -	7 -	CF			
7	WR 11	* -	3,000E 600E	0 -	- -	7 -	C	 -	*KR169.2-85.4-171.6-65.3-18.0	
8	WR 11	* -	x 1,300E	x -	x x	7 -	C	 -	*KR169.2-85.4-171.6-65.3-18.0	
9	SW 4	x -	23,000E 2,300E	x -	x x	7 -	CF			
10	SW 4	x -	350E 70E	0 -	- -	5 -		- -		
11	SW 4	x -	x x	x -	x x	0 -	BCFJ	 -		
12	SW 7	x -	300E 80E	x -	x x	7 -	C			
13	WR 11	* -	2,080E 380E	0 -	- -	7 -	C	 -	*KR169.2-106.5-160.4-45.0	
14	WR 14	0305-15 -	1,000E 500E	x -	x x	4 -	cf	 -		
15	SW 2	* -	400E 100E	x -	x x	7 -	BCF		*A703.6-76.3-28.4-1.4	
16	SW 2	* -	3,500E** 3,500E	0 -	x x	0 -	BCF	 -	*A703.6-76.3-28.4-1.2	**Estimated and checked from Stream data.
17	WR 11	- -	- -	- -	- -	- -		- -		
18	SW 2	x -	7,500E 2,000E	x -	x x	4 -	CF	 -		
19	SW 2	x -	200E 50E	0 -	- -	7 -	C			
20	SW 2	- -	- -	- -	- -	- -		- -	*New system under construction	
21	SW 7	x -	900E 350E	x -	x x	7 -	C			
22	WR 14	0427.7 -	400E 400E	0.3 -	30 5	4 -	C	 -	*Plant not used due to frequent flooding.	
23	WR 11	x -	1,200E 1,200E	- -	- -	0 or6		- -		
24	WR 11	KR169.2-292.1-109	400E 80E	x -	x x	7 -		x -		
25	WR 12	W496.0-23 -	300E 200E	x -	x x	2 -	CF	 -		
26	SW 7	- -	- -	- -	- -	- -		- -	*New plant under construction.	
27	WR 11	K100.0-3.0 -	400E 90E	0 -	- -	7 -	C	 -		
28	WR 11	KR169.1-282.1-4.5	6,240E 1,500E	0 -	- -	7 -	C	 -		
29	WR 12	W511.2-26.2-18.0	1,200E 300E	0 -	- -	7 -	C	 -		
30	WR 11	K63.3-72-28.0	4,500E 750E	0 -	- -	*1 -	C	 -	*Principal need is a second digester.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1960 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	Discharge to 8	LINE No.
ST. FRANCIS		1,892 -	1,200 -	S -	x -	1.4 0.12	ShClLoSo -	South Fork of Republican River	1
ST. JOHN		1,735 -	1,500 -	S -	x -	- -	None -	Rattlesnake Creek	2
ST. MARYS		1,201 -	800 -	S -	x -	1.25 0.10	ShClSo -	Kansas River -	3
ST. MARYS	St. Marys College	- 220-3	220 -	S -	x -	x x	Cs -	Kansas River -	4
ST. PAUL		783 -	700 -	S -	x -	1.2 0.11	ShClFtrCpSo -	Neosho River -	5
SALINA		26,176 -	35,000 -	SC -	x -	30.0 7.0	ChCsFthCmSchaprtSo -	Smoky Hill River -	6
SATANTA		667 -	600 -	S -	x -	0.70 0.08	ClSo -	Dry Run -	7
SCANDIA		611 -	525 -	S -	x -	- -	ShClSo -	Republican River -	8
SCOTT CITY		3,204 3,500-4	2,400 -	S -	x -	3.0 0.3	ShClFtrCpLoIsSo -	Lagoon -	9
SEDAN		1,640 1,500-4	1,200 -	S -	x -	0.8 0.22	ClFaSo -	Middle Caney River	10
SEDGWICK		738 -	900 -	S -	x -	0.5 0.02	ClFaSo -	Little Arkansas River	11
SENECA		1,911 -	1,970 -	S -	x -	1.84 0.1	Cs -	South Fork of Big Nemaha River	12
SHALLOW WATER	Shallow Water Refinery	x -	- -	29 AC	x x	x x	Lo(for Acid Waste) O	x -	13
SHARON		278 -	250 -	S -	x -	0.2 0.02	ShClFaSo -	Elm Creek -	14
SHARON SPRINGS		994 -	1,000 -	S -	x -	1.5 0.16	ShClFtrCpSoLo -	Eagle Tail Creek -	15
SHAWNEE TWP. S.D. #5 (Wyandotte Co.)		- -	1,300 -	S -	x -	2.1 0.21	ShClFt:CpSo -	x -	16
SHAWNEE TWP. S.D. #6 (Wyandotte County)		- -	3,000 -	S -	x -	5.25 0.53	ShClFtrCmSo -	Dry Tributary to Turkey Creek	17
SMITH CENTER		2,026 -	1,700 -	S -	x -	2.0 0.08	ShClFtrCmSo -	Beaver Creek -	18
SOLOMON		834 -	800 -	S -	x -	- -	None* -	Solomon River -	19
SOUTH HAVEN		350 -	340 -	S -	x -	0.5 0.04	ShClFtrCpSo -	West Shoe Fly Creek	20
SOUTH HUTCHINSON		1,045 1,200-4	1,100 -	S -	x -	1.5 0.15	ShCsFtrCmScptSo* -	Arkansas River -	21
STAFFORD		2,005 -	2,000 -	S -	x -	1.8 0.2	ShClFtrCpSo -	Dry creek -	22
STERLING		2,243 -	1,940 -	S -	x -	2.5 0.40	ShC:FtrCpLoSo -	Lagoon-tributary to Bull Creek	23
STOCKTON		1,867 -	1,700 -	S -	x -	2.0 0.28	ShClFtrCpSo -	South Fork of Solomon River	24
SUBLETTE		838 800-4	700 -	S -	x -	0.8 0.07	ShClFtrCpIpSo -	Seepage Pond -	25
SUNFLOWER VILLAGE		3,834 -	4,000 -	S -	x -	3.5 0.30	ClFtmCpSo -	Dry tributary to Kill Creek	26
SUNFLOWER	Sunflower Ordnance	x -	- -	28 C	0.02 P	- x	S (partially)	Kill Creek	27
SUNFLOWER	Sunflower Ordnance	- -	x -	S -	x -	x x	ClFtrC So -	Kill Creek -	28
SUNFLOWER	Sunflr. Ordnance Staff Village	- 700-3	800 -	S -	x -	x x	CsFs -	Creek to Captain Creek	29
SYLVAN GROVE		506 -	480 -	S -	x -	0.45 0.05	ShClF'rCpSo -	Saline River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (000) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT (15)	FUTURE	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	WR 11	KL169.2- 393.6-29.0	1,200E 200E	0 -	- -	5 -	C	-		
2	SW 2	x -	1,500E 1,500E	x -	x x	0 -	CF			
3	WR 11	K107.7 -	1,180E 770E	680 -	30 5	5 -	ACF	-		
4	WR 11	K107.7 -	220E 200E	680 -	30 5	4 -	ACF	-		
5	SW 4	x -	700E 200E	x -	x x	9 -	ACFJ			
6	WR 11	KR169.2- 123.5	44,500E 18,000E	27 -	30 5	*1 -	C	-	*Raw sewage pump station inadequate; funds voted.	
7	SW 7	x -	600E 500E	0 -	- -	4 -	C			
8	WR 11	KL169.2- 125.2	525E 360E	x -	x x	7 -	C	-		
9	SW 2	- -	2,400E 0	- -	- -	7 -	C	-		
10	SW 3	x -	1,500E 750E	0 -	- -	*4 -	CF	-	*Under construction.	
11	SW 2	A774.5- 25.4	900E 300E	5-10 -	x x	*4 -	CFJ		*Under construction.	
12	WR 12	W511.2- 40.5-53.1	1,970E 1,900E	x -	x x	4 -	C	-		
13	SW 2	x -	x x	x -	x x	x -		x -		
14	SW 2	x -	230E 60E	x -	x x	2 A5	C			
15	WR 11	KL169.2- 501.0-4.0	1,000E 100E	0 -	- -	7 -	C	-		
16	WR 11	x -	1,300E 300E	x -	x x	5 -		x -		
17	WR 11	K3.2-4 -	3,000 750	x -	x x	7 -	C	-		
18	WR 11	* -	1,700E 340E	0 -	- -	5 -	C	-	*KR169.2-85.4-171.6-45.1	
19	WR 11	KR169.2- 85.3	800E 800E	30 -	30 5	*0 -	CF	-	*Under construction (primary plant)	
20	SW 2	x -	340E 90E	0 -	- -	7 -	C			
21	SW 2	A819 -	1,500E 300E	x -	x x	7 -	CF	-	*System and treatment plant under construction.	
22	SW 2	x -	2,000E 500E	0 -	- -	1 A5	C			
23	SW 2	* -	1,940E 200E	- -	- -	7 -	BC	-	*A813.3-19.1-12.0-0.8	
24	WR 11	* -	1,700E 420E	x -	x x	7 -	CF	-	*KR169.2-85.4-171.6-76.0	
25	SW 7	- -	700E 50E	- -	- -	5 -	C			
26	WR 11	K29.5-2.0 -	4,000E 1,500E	x -	x x	1 -	C	-		
27	WR 11	K29.5-3 -	Inorganic Inorganic	x -	x x	1 A2	C	-		
28	WR 11	K29.5-3.0 -	x x	x -	x x	7 -	C	-		
29	WR 11	K29.5-2 -	200E 80E	x -	x x	5 -	C	-		
30	WR 11	* -	480E 180E	x -	x x	7 -	C	-	*KR169.2-106.5-116.8	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
SYLVIA		496 -	350 -	S -	x -	0.78 0.05	ShCmFtrCmDopBo -	Dry Creek to N.Fk. of Ninnescah R.	1
STRACUSE		2,075 -	1,400 -	S -	x -	- -	None -	Arkansas River -	2
TONGANOXIE		1,138 -	1,000 -	S -	x -	0.2 0.07	ClFsBo -	Tonganoxie Creek -	3
TONGANOXIE	Franklin Ice Cream Co.	40 -	- -	20 K	x x	x x	* -	Tonganoxie Creek -	4
TOPEKA		78,791 -	13,200 -	SC -	x -	- -	None -	Kansas River -	5
TOPEKA	Plant # 1	- -	60,000 -	SC -	x -	120.0 10.0	SmCmOaCmAaCm DcerstBoLa	Kansas River -	6
TOPEKA	Plant # 2	- -	5,800 -	SC -	x -	10.0 0.7	ShClBo -	Kansas River -	7
TOPEKA	Boys Industrial School	- 230-3	230 -	S -	x -	0.3 0.03	[Sc][Sh]ClFtrCpBo -	Soldier Creek -	8
TOPEKA	Forbes Air Base	- 8.000-3	6,000 -	S -	x -	5.0 0.5	ScCmFtrCmDchBoEcg -	Tributary to Shunganunga Creek	9
TOPEKA	Goodyear Tire Co.	950 -	- -	S -	x -	x x	ScCmAaCmD Bo -	Soldier Creek -	10
TOPEKA	Goodyear Tire Co.	- -	- -	30 AB	x -	- -	None -	Soldier Creek -	11
TOPEKA	State Hospital	- 2.100-3	2,100 -	S -	x -	3.0 0.30	[Sc][Sh]CmFtrCmDcpBo	Kansas River -	12
TOPEKA	State Vocational School	- 200-3	200 -	S -	x -	0.3 0.045	ClFtrCpFsBo -	Dry Ditch -	13
TORONTO		600 -	500 -	S -	x -	0.4 0.06	ClFtmBo -	Verdigris River -	14
TOWANDA		417 500-4	600 -	x -	x -	- -	None* -	Whitewater River -	15
TRIBUNE		1,010 -	650 -	S -	x -	0.5 0.07	ClBo -	White Woman Creek -	16
TROY		977 -	950 -	S -	x -	0.7 0.07	ShClFsBo -	Peters Creek -	17
TURNER	Grade and High Schools	- 1.110-3	1,110 -	S -	x -	- -	None -	Kansas River -	18
TURON		632 -	x* -	S -	x -	1.0 0.1	ShCmFtrCmDcptBo -	Dry tributary to Silver Creek	19
UDALL		410 -	500 -	S -	x -	0.60 0.05	ShClFsBo -	Dry tributary to Seward Creek	20
ULYSSES		2,243 -	2,200 -	S -	x -	4.0 0.4	ShClFtrCpBo -	West Fork of Cimarron River	21
VALLEY CENTER		854 -	1,000 -	S -	x -	0.5 0.09	ShClFtrCpBo* -	Little Arkansas River	22
VALLEY FALLS		1,139 -	1,000 -	S -	x -	0.5 0.06	ClBo -	Delaware River -	23
VALLEY FALLS	Mitchell Sausage Factory	4 -	- -	20 F	x x	- -	None - *	Delaware River -	24
VIOLA		132 -	100 -	S -	x -	0.3 0.05	ClLoBo -	Pond -	25
WADSWORTH	Veterans Hospital	- 5.000-2	5,000 -	S -	x -	- -	None -	Missouri River -	26
WAKEENEY		2.446 -	1,600 -	S -	x -	2.0 0.10	ClFtrCpBo -	Big Creek -	27
WAKEFIELD		591 -	450 -	S -	x -	0.8 0.08	ShClBo -	Republican River -	28
WAMEGO		1,869 -	2,000 -	S -	x -	- -	None* -	Kansas River -	29
WASHINGTON		1,527 -	1,350 -	S -	x -	3.5 0.2	ShCmFtrCpDcptBo -	Mill Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	SW 2	x -	350E 90E	0 -	- -	7 -	C		
2	SW 2	x -	1,400E 1,400E	x -	x x	0 -	BCDF		
3	WR 11	K33.6-16.0 3.1	1,000E 800E	0 -	- -	4 -	C -		
4	WR 11	K33.6-16- 3.1	x 3,100	5 -	- -	4 -	C -	*Experimental plant for oxid. of organic wastes	
5	WR 11	K82.3 -	13,200E 13,200E	650 -	30 5	*6 -	ACF -	*Under construction.	
6	WR 11	K82.3 -	120,000E 40,000E	650 -	30 5	*1 -	ACF -	*Under construction.	
7	WR 11	K82.3 -	8,000E 6,000E	650 -	30 5	*6 -	ACF -	*State recommends discharge to plant #1.	
8	WR 11	K80.2-3.5 -	300E 60E	0.4 -	30 5	5 -	C -		
9	WR 11	K73.9-4 -	8,000E 4,000E	0 -	- -	2 -	CJ -		
10	WR 11	K33.6-4.0 -	x 50	0.4 -	30 5	7 -	C -		
11	WR 11	K33.6 4.0 -	x -	0.4 -	30 5	*0 -	C -	*Under study.	
12	WR 11	K82.3 -	2,100E 300E	650 -	30 5	7 -	C -		
13	WR 11	x -	200E 50E	x -	x x	5 -	C -		
14	SW 3	x -	500E 300E	x -	x x	4 -	ACF		
15	SW 2	A703.6- 76.3-13.3	600E 600E	x -	x x	*0 -	BCF	*Under construction.	
16	SW 2	x -	650E 450E	x -	x x	2 A5	C		
17	WR 12	M453.8-9.0 -	950E 350E	x -	x x	1 A5	CF -		
18	WR 11	K9.6 -	1,110E 1,110E	770 -	30 5	0 -	CF -		
19	SW 2	x -	x* x	0 -	x x	7 -	C -	*New system.	
20	SW 2	A703.[illegible]- 41.[illegible]-4.2	500E 100E	0 -	- -	5 -	C		
21	SW 7	x -	2,200E 550E	x -	x x	5 -	C		
22	SW 2	A774.5 15.6	1,000E 500E	x -	x x	1 A -	CFJ -	*New plant under construction. Present	plant inadequate.
23	WR 11	K63.3-29.7 -	1,940E 1,940E	4 -	* 30 5	*4 -	C -	*Under construction.	
24	WR 11	K63.3-29.7 -	190 190	4 -	30 5	0 -	C -		
25	SW 2	x -	100 20E	- -	- -	7 -	- -		
26	WR 12	M407.0 -	5,000 5,000	x -	x x	0 -	ABCFJ -		
27	WR 11	KR169.2- 292.1-80.0	1,600E 300E	0 -	- -	7 -	C -		
28	WR 11	KL169.2- 25.7	450E 300E	205 -	30 5	7 -	CF -		
29	WR 11	K123.6 -	2,000E 2,000E	620 -	30 5	*0 -	CF -	*Under construction.	
30	WR 11	* -	1,410E 350E	x -	x x	7 -	C -	*K142.5-138.9-30.9-22.3	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE-SEWER SYSTEM IND. GROUP WASTE CLASS 4	AVERAGE DAILY FLOW (MGD) 5	Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
WATERVILLE		676 -	650 -	S -	x -	- -	None* -	Little Blue River -	1
WATHENA		797 -	750 -	S -	x -	0.5 0.05	ClBo -	Peters Creek -	2
WELLINGTON		7,747 -	8,000 -	S -	x -	11.0 0.88	SmApCmFthAsCmDfbrtBo -	Slate Creek -	3
WELLSVILLE		729 -	800 -	S -	x -	0.33 0.04	ClFoBo -	Walnut Creek -	4
WESTWOOD		1,581 -	(x) -	x -	- -	- -	See Mission Twp. SD # 1	Turkey Creek -	5
WESTWOOD HILLS		431 -	(x) -	x -	- -	- -	None (through Kansas City, Mo., Sewers)	Blue River -	6
WHITE CITY		540 -	200 -	S -	x -	0.8 0.08	ShClFtrCpLoBo -	Dry Creek -	7
WHITEWATER		453 500-4	400 -	S -	x -	0.75 0.06	ShClFtrCpBo -	West Branch of Whitewater River	8
WICHITA *		168,279 -	235,000 -	S -	x -	350.0 36.0	SmChApCmDcfbrat BoLa	Arkansas River -	9
WICHITA	Boeing Aircraft Co.	x -	- -	34 BCI	x -	- -	11 None* -	Arkansas River -	10
WICHITA	Derby Oil Company	x -	- -	29 A	x -	- -	None -	x -	11
WICHITA	Hemphill Addition	- 300-3	(300) -	S -	- -	- -	See Wichita-Wards 4th Addition	Big drainage ditch	12
WICHITA	Industrial Sewer	- -	- -	29 39 A -	x -	- -	None -	Arkansas River -	13
WICHITA	Industrial Wastes	- -	- -	29 39 A -	x -	- -	None -	Wichita Drainage Canal	14
WICHITA	Jayhawk Imp. District	- -	* -	S -	x -	1.4 0.14	ShClBo -	Arkansas River -	15
WICHITA	Municipal Airport	- x	x -	S -	x -	0.30 0.03	ShClFtrCpBo -	Big Slough -	16
WICHITA	Oaklawn	- -	5,000 -	S -	x -	5.35 1.00	ShClBo -	Arkansas River -	17
WICHITA	Park City	- 1,000-4	5,000 -	S -	x -	5.0 0.30	ShCmFtrCpLoDchrtBo -	Chisholm Creek -	18
WICHITA	Purcells 9th Addition	- 1,600-4	2,000 -	S -	x -	2.5 0.25	ShCmFtrCmDchrBo -	Big Slough -	19
WICHITA	Sunflower Imp. Dist. # 1	- 850-4	850 -	S -	x -	2.0 0.2	ShClFtrCpBo -	Big drainage ditch	20
WICHITA *	Ward's 4th Addition	- 550-3	850 -	S -	x -	0.85 0.04	ShClFtrCpBo -	Big drainage ditch	21
WICHITA	Wichita Stockyards Co.	x -	- -	20 R	x x	x x	x -	x -	22
WILSON		1,039 -	850 -	S -	x -	1.0 0.11	ClFtrCpBo -	Wilson Creek -	23
WILSON COUNTY	Altoona-Neodesha Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Verdigris & Fall Rs & Sub-surface	24
WILSON COUNTY	Coyville Oil Pool	x -	- -	13 A	x x	- x	Is (Part Of brine) -	Verdigris River & Sub-surface	25
WILSON COUNTY	Fredonia Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Verdigris River & Sub-surface	26
WINFIELD		10,264 -	9,000 -	S -	x -	7.0 0.9	SmCmAmCmDfrtBo -	Walnut River -	27
WINFIELD	State Training School	- 1,800-4	2,000 -	S -	x -	2.0 0.15	ClFtrCpBo -	Timber Creek -	28
WOODSON COUNTY	Batesville Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Sandy Creek & Sub-surface	29
WOODSON COUNTY	Big Sand Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Verdigris River & Sub-surface	30

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE (15)	PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	MR 11	K142.5- 138.9-6.2	1,020E 1,020E	x -	x x	*0 -	CF	 -	*Bonds voted.	
2	MR 12	M453.8-1.0 -	760E 500E	x -	x x	1 -	C	 -		
3	SW 2	x -	9,000E 1,800E	0 -	- -	5 -	CDF			
4	MR 14	O390-6-11 -	800E 400E	x -	x x	*4 -	CF	 -	*Bonds voted for new plant.	
5	MR 11	- -	- -	- -	- -	- -		- -		
6	MR 12	- -	- -	- -	- -	- -		- -		
7	SW 4	x -	200E 40E	0 -	- -	5 -	C			
8	SW 2	* -	400E 80E	x -	x x	5 -	CF	 -	*A703.6-76.3-16.2-22.9	
9	SW 2	x -	325,000E 250,000E	x -	x x	*2 -	CF	 -	*Planning for secondary treatment.	
10	SW 2	A766.1 -	x x	x -	x x	*0 -	CF	 -	*Under construction.	
11	SW 2	x -	x 5,400E	x -	x x	2 46		x -		
12	SW 2	- -	- -	- -	- -	- -		- -		
13	SW 2	A768.1 -	15,000E 15,000E	0	x x	*6 -	CF	 -	*In planning stage.	
14	SW 2	A768.0-5.0 -	10,000E 10,000E	x -	x x	6 -	CF	 -		
15	SW 2	x -	* -	- -	- -	7 -		- -	*New system.	
16	SW 2	x -	x x	x -	x x	7 -		x x		
17	SW 2	A766.0 -	5,000E 3,500E	0 -	x x	7 -	CF	 -		
18	SW 2	A768.0- 12.5	6,500E 500E	x -	x x	5 -		x -		
19	SW 2	A764.0-3.8 -	2,000E 500E	x -	x x	1 -	C	 -		
20	SW 2	A762.0-3.5 -	850E 200E	x -	x x	5 -		x -	*Addition under construction	
21	SW 2	x -	x x	x -	x x	7 -		x x		
22	SW 2	x -	x x	x -	x x	x -		x x		
23	MR 11	KR169.2- 252.0-2.5	2,050E 510E	0 -	- -	1 -	C	 -		
24	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
25	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
26	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
27	SW 2	A703.6- 24.1	10,000E 4,000E	x -	x x	1 45	CF			
28	SW 2	* -	2,000E 300E	x -	x x	7 -	CF	 -	*A703.6-27.5-2.5-0.4	
29	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
30	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
WOODSON CO.	Hodgland Oil Pool	x -	- -	13 A	x x	- x	Lo -	Verdigris River -	1
WOODSON COUNTY	Welde Oil Pool	x -	- -	13 A	x x	- x	Is (Part of brine) -	Verdigris River & Sub-surface	2
WOODSON CO.	Wintersheld Oil Pool	x -	- -	13 A	x x	- x	Lo -	Verdigris River -	3
WYANDOTTE TWP. S. D. # 2		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	4
WYANDOTTE TWP. S. D. # 3		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	5
WYANDOTTE TWP. S. D. # 4		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	6
WYANDOTTE TWP. S. D. # 6		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	7
WYANDOTTE TWP. S. D. # 7		- -	(600) -	S -	- -	- -	See Kansas City, Kansas	- -	8
WYANDOTTE TWP. S. D. # 8		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	9
WYANDOTTE TWP. S. D. # 9	(Wyandotte Co.)	- -	1,000 -	S -	x -	2.5 0.25	[Sc][Sh]ClFtrCmDo -	x -	10
WYANDOTTE TWP. S. D. # 13		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	11
WYANDOTTE TWP. S. D. # 14		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	12
WYANDOTTE TWP. S. D. # 15		- -	(x) -	- -	- -	- -	See Kansas City, Kansas	- -	13
YATES CENTER		2,178 2,000-4	1,850 -	S -	x -	2.5 0.2	ShCmFtrCpDcpBo -	Dry tributary to South Owl Creek	14
x	Doskocils Locker	x -	- -	20 F	x x	x x	CsI -	x -	15
x	Hull & Ditlon Packing Co.	x -	- -	20 F	x x	- -	None -	Cow Creek -	16
x	Pratt Meat Plant	x -	- -	20 E	x x	- -	None -	x -	17
									18
									19
									20
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
KANSAS	1957	16 of 16

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (000) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT FUTURE	REMARKS 16	ADDITIONAL COMMENTS 17
1	SW 3	x -	inorganic inorganic	x -	x x	x -		x x		
2	SW 3	x -	*Salt Brine	x -	x x	7 -		x x	* Part of brine is not reinjected.	
3	SW 3	x -	inorganic inorganic	x -	x x	x -		x x		
4	WR 11	- -	- -	- •	- -	- -		- -		
5	WR 11	- -	- -	- •	- -	- -		- -		
6	WR 11	- -	- -	- •	- -	- -		- -		
7	WR 11	- -	- -	- •	- -	- •		- -		
8	WR 11	- -	- -	- •	- -	- •		- -		
9	WR 11	- -	- -	- -	- -	- -		- -		
10	WR 11	x -	1,000E 200E	0 -	x x	7 •		x		
11	WR 11	- -	- -	- -	- -	- -		- -		
12	WR 11	- -	- -	- •	- -	- •		- -		
13	WR 11	- -	- -	- •	- -	- -		- -		
14	SW 4	x -	2,500E 750E	0 -	x x	1 42	C	- 		
15	SW 2	x -	x x	x -	x x	x -		x -		
16	SW 4	x -	7,200E 7,200E	0 -	- -	0 -		x x		
17	SW 2	x -	x x	x -	x x	x -		x x		
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

KANSAS

Community or facility providing sewer service	Communities and/or facilities served
KANSAS CITY (KANSAS)	Wyandotte Twp. S. D. #2
	Wyandotte Twp. S. D. #3
	Wyandotte Twp. S. D. #4
	Wyandotte Twp. S. D. #6
	Wyandotte Twp. S. D. #7
	Wyandotte Twp. S. D. #8
	Wyandotte Twp. S. D. #13
	Wyandotte Twp. S. D. #14
	Wyandotte Twp. S. D. #15
KANSAS CITY (MISSOURI)	Mission Hills
	Westwood Hills
MISSION TWP. S. D. #1 (JOHNSON CO.)	Fairway
	Mission Woods
	Overland Park
	Prairie Village
	Westwood
NEWTON	North Newton
WICHITA	Eastborough
WICHITA - WARD'S 4th ADDITION	Wichita - Hemphill Addition

MINNESOTA

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Req'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	 Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ADA		2,121 -	1,910 -	S -	x -	4.6 0.273	SfFtlhCmEgZi -	Marsh River -	1
ADAMS		663 -	610 -	S -	x -	- -	None -	Little Cedar River	2
ADRIAN		1,115 -	975 -	S -	x -	1.0 0.1	ClBo -	Kanaranzie River -	3
AITKEN		2,079 -	2,300 -	C -	x -	- -	None -	Mississippi River -	4
ALBANY		1,196 -	1,075 -	S -	0.2 -	*4.5 0.2	Lo -	Lagoon -	5
ALBERT LEA		13,545 -	11,000 -	S -	1.6 -	26.0 2.0	SmCmCmFt2hCmEcg DfgrtBo	Albert Lea Lake -	6
ALBERT LEA	Wilson & Company Incorporated	x -	- -	20 EP	1.7 P	85.0 1.7	Anaerobic Digestion Process	Albert Lea Lake to Shell Rock R.	7
ALBERTVILLE		- 238-5	214 -	S -	x -	0.53 0.052	ClEch -	School Lake -	8
ALEXANDRIA		6,319 -	5,690 -	S -	0.37 -	*12.6 0.56	SmCmSfFthCmFtnCmEcg HcZiVv	Lake Winona -	9
ALTURA		269 -	242 -	S -	x -	2.1 0.083	CpFtlhCmEcgZi -	Creek to Whitewater River	10
AMBOY		585 -	520 -	S -	x -	0.83 0.05	ClBo -	Maple River -	11
ANNANDALE		899 -	670 -	C -	x -	0.55 0.033	ClBo -	Pleasant Lake -	12
ANOKA		7,396 -	6,650 -	S -	0.42 -	*21.6 1.44	SmgCmCmFtnCmEcg DfhrtBo	Mississippi River -	13
APPLETON		2,256 -	1,680 -	S -	x -	2.16 0.13	ShClFtnCpBo -	Pomme de Terre River	14
ARBO TOWNSHIP (Itasca County)	Buckeye Mine	x -	- -	10 -	- -	- -	See Coleraine Buckeye Conc. Plant	No discharge - Closed system	15
ARBO TOWNSHIP (Itasca County)	Jennison Mine	x -	- -	10 -	- -	- -	See Coleraine Buckeye Conc. Plant	No discharge - Closed system	16
ARBO TOWNSHIP (Itasca County)	West Hill Mine	x -	- -	10 -	1.4 -	- -	None -	Prairie River -	17
ARGYLE		846 -	900 -	S -	x -	- -	None -	Middle River -	18
ARLINGTON		1,313 -	1,000 -	S -	x -	0.8 0.055	ClB -	High Island Creek -	19
ARLINGTON	Big Stone Canning Company	x -	- -	20 C	0.3 CP	21 0.3	Sf -	High Island Creek -	20
ASHBY		443 -	400 -	S -	x -	*0.68 0.053	ClBo -	Little Grant Lake -	21
ATWATER		880 -	730 -	S -	x -	- -	None -	Middle Fork of Crow River	22
AURORA		1,371 -	1,400 -	S -	0.4 -	5.0 0.5	ScCmFthrCm EcgDcrBo	Creek to St. Louis River	23
AURORA	Erie Taconite Plant	x -	- -	10 A	x -	- x	Lp(Sedimentation) Il	x -	24
AURORA	Forest Hill Subdivision	- 200-3	180 -	S -	x -	0.20 0.020	ClFtrCpEcg -	Partridge River -	25
AURORA	St. James Mine	x -	- -	10 -	0.576 -	- 0.576	Lp(Sedimentation) -	x -	26
AUSTIN *		23,100 -	18,000 -	S -	4.0 -	68.8 4.0	SmG KamCmFthCmFtnCm EgcDefmrstBo	Cedar River -	27
BABBITT		- *	x -	S -	x -	5.0 0.5	ShCpFtlhClE D Bo -	Embarrass River -	28
BABBITT	Babbitt Taconite Plant	x -	- -	10 A	5.76 -	- 5.76	Kc Lp -	Timber Creek -	29
BAGLEY		1,554 -	1,120 -	S -	x -	1.0 0.1	ShCmFtrCmEchDrBo -	Clearwater River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAIN-AGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 1	x -	x x	x -	x x	x -		x -		
2	UM 10	x -	x x	x -	x x	0 -	e	 -		
3	MR 7	3584.7-46- 32.8	1,125 865	x -	x x	2 -	CH	 -		
4	UM 3	x -	x x	x -	x x	*0 -	cfh	 -	*Plans approved for treatment plant.	
5	UM 3	- -	x 0	- -	- -	7 -		- -	*Includes 2,500 P.E. for Industrial Waste.	
6	UM 10	- -	x x	- -	- -	7 -	Ch	 -	*Includes 6,000 Industrial Wastes.	
7	UM 10	- -	x x	- -	- -	2 -	CH	 -		
8	UM 3	- -	x x	- -	- -	7 -	CH e			
9	UM 3	- -	x x	- -	- -	7 -	CH	 -	*Includes 3,600 P.E. for industrial waste.	
10	UM 6	x -	x x	x -	x x	7 -		x -		
11	UM 4	x -	x x	x -	x x	2 -	ch	 -		
12	UM 3	- -	x x	- -	- -	2 -	cH	 -		
13	UM 3	x -	x x	x -	x x	7 -	abchfj	 -	*Includes 8,100 P.E. for Industrial Waste.	
14	UM 4	x -	x x	x -	x x	x -		x -		
15	UM 3	- -	- -	- -	- -	- -		- -		
16	UM 3	- -	- -	- -	- -	- -		- -		
17	UM 3	x -	- -	x -	x x	x -		x -		
18	UM 1	x -	x x	x -	x x	0 -	ch	 -		
19	UM 4	x -	x x	x -	x x	1 -	cH	 -		
20	UM 4	x -	x x	x -	x x	1 45	ch	 -		
21	UM 3	x -	x x	x -	x x	0 -	ch	 -		
22	UM 4	- -	x x	- -	- -	7 -	CH	 -	*Includes 80 P.E. for industrial waste.	
23	WL 23	x -	x x	x -	x x	7 -	FH	 -		
24	WL 23	x -	- -	x -	x x	x -		x -		
25	WL 23	x -	x x	x -	x x	x -		x -		
26	WL 23	x -	- -	x -	x x	x -		x -		
27	UM 10	x -	x 15,400	x -	x x	2 -	c	 -		
28	WL 23	x -	x x	x -	x x	7 -		x -		
29	WL 23	x -	- -	x -	x x	x -		x -		
30	UM 1	x -	x x	x -	x x	5 -	CfH	 -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BALKAN TOWNSHIP (St. Louis County)	Forster Mine	x -	- -	10 -	- -	- -	See Fraser Sherman Mine	East Swan River -	1
BARNESVILLE		1,593 -	1,300 -	C -	x -	1.5 0.125	CmAmCmEcBo -	Willow Creek -	2
BARNUM		344 -	290 -	S -	x -	- -	None -	Moose Horn River -	3
BARRETT	Barrett Co-op. Creamery Co.	x -	- -	20 L	x -	x x	Ft -	Pomme de Terre River	4
BARRETT	Barrett Co-op. Locker Assn.	x -	- -	20 E	x -	x x	Cp -	Pomme de Terre River	5
BARRY		74 -	74 -	x -	x -	x x	Cp -	Little Minnesota River	6
BASS BROOK TWP. (Itasca County)	Tioga No. 2 Concentrator	x -	- -	10 A	7.2E P	x 7.2	C -	Swamp to Sundeen L. to Pokegama L.	7
BATTLE LAKE		714 -	643 -	S -	x -	1.7 0.103	CpFtlhCpEcgDcrXd -	Slaughterhouse Slough	8
BAUDETTE ★		929 -	1,500 -	S -	x -	2.6 0.2	ScCmEchDcrBo -	Rainy River -	9
BAYPORT ★		2,502 -	2,400 -	S -	0.26 -	3.5 0.34	ShCmAamCmEcg Dcr Bo*	St. Croix River	10
BAYPORT	State Prison*	- 1,265-8	(1,300) -	S -	0.18 -	- -	See Bayport Plant -	St. Croix River -	11
BAYPORT	Utecht Rendering Co.	x -	- -	20 P	x -	x x	O Is -	Land -	12
BEAVER BAY		- 250-1	x -	S -	x -	x x	C FtlhC E D Bo -	Lake Superior -	13
BELLE PLAINE		1,708 -	1,400 -	SC -	x -	- -	None -	Minnesota River -	14
BELLE PLAINE	Minn. Valley Co-op Creamery	x -	- -	20 J	0.66E P	x 0.66	Iu -	Minnesota River -	15
BELVIEW		381 -	340 -	S -	0.034 -	0.6 0.048	ShCmFtlhCmEgDpBo -	Ditch to Minnesota River	16
BEMIDJI		10,001 -	7,500 -	S -	x -	*16.9 1.3	SmGmCmFthCmEcg DcrtBo	Mississippi River -	17
BENSON		3,398 -	2,450 -	C -	x -	1.65 0.12	ShCmFtrCmEcgDhcrmBo -	Chippewa River -	18
BENSON	Swift Falls Co-op. Cry. Assn.	x -	- -	20 L	- x -	- -	None -	East Branch of Chippewa River	19
BERITUNG TOWNSHIP (St. Louis County)	Soudan Mine	x-S -	- -	10 -	x -	- x	x -	x -	20
BERTHA		577 -	540 -	S -	x -	0.6 0.04	ShCiFtrCpEcgBo -	Partridge River -	21
BIGFORK	Bigfork Valley Co-op. Creamery	x -	- -	20 L	x -	x x	x -	Big Fork River -	22
BIRD ISLAND		1,333 -	1,100 -	S -	x -	- -	None -	Ditch to E. Fk. of Beaver Creek	23
BIWABIK		1,245 -	1,200 -	S -	0.12E -	2.12 0.170	ShCiFtrCpEcgBo -	Biwabik Creek to Embarrass Lake	24
BIWABIK ★	Biwabik Concen- trating Plant	x -	- -	10 A	x -	- x	Lp -	No discharge - Closed system	25
BIWABIK	Biwabik Mine	x -	- -	10 -	x -	- x	x -	Biwabik Creek to Embarrass Lake	26
BIWABIK	Biwabik (Cass) Mine	x -	- -	10 -	- -	- -	See Biwabik-Biwabik Concentrating Plant	No discharge - Closed system	27
BIWABIK	Biwabik (Williams) Mine	x -	- -	10 -	- -	- -	See Biwabik-Biwabik Concentrating Plant	No discharge - Closed system	28
BIWABIK	Canton Mine	x -	- -	10 -	0.86 -	- -	None -	x -	29
BIWABIK	Embarass Mine	x -	- -	10 -	2.88E -	- 2.88	Lp(Sedimentation)	Embarrass River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	WL 23	- -	- -	- -	- -	- -	- -		
2	UM 1	x -	x x	x -	x x	5 -	cH -		
3	UM 5	x -	x x	x -	x x	0 -	cfhij -		
4	UM 4	x -	x x	x -	x x	5 -	CFHiJL -		
5	UM 4	x -	x x	x -	x x	2 &5	CFHiJL -		
6	UM 4	x -	x x	x -	x x	x -	x -		
7	UM 3	- -	- -	- -	- -	7 -	BCFHI -		
8	UM 1	x -	x x	x -	x x	x -	x -		
9	UM 2	x -	x x	x -	x x	7 -	EfHiK -		
10	UM 5	x -	x x	x -	x x	7 -	CHIJKF -	*Joint plant with Bayport State Prison.	
11	UM 5	- -	- -	- -	- -	- -	- -	*Joint Plant with Village of Bayport .	
12	UM 5	- -	- -	- -	- -	x -	- -		
13	WL 23	- -	x x	- -	- -	x -	x -		
14	UM 4	x -	x 1,834E	x -	x x	0 -	BcfhK -		
15	UM 4	x -	x x	x -	x x	7 -	CH x		
16	UM 4	x -	x x	x -	x x	x -	x -		
17	UM 3	x -	x x	x -	x x	7 -	CFHIJK -	*Includes 4,400 P.E. Industrial Waste.	
18	UM 4	x -	x x	x -	x x	2 -	cH -		
19	UM 4	x -	x x	x -	x x	0 -	cHij -		
20	UM 2	x -	- -	x -	x x	x -	x -		
21	UM 3	x -	x x	x -	x x	5 -	CFH -		
22	UM 2	x -	x x	x -	x x	x -	x -		
23	UM 4	x -	x x	x -	x x	0 -	ch -		
24	WL 23	x -	x x	x -	x x	x -	x -		
25	WL 23	- -	- -	- -	- -	x -	- -		
26	WL 23	x -	- -	x -	x x	x -	x -		
27	WL 23	- -	- -	- -	- -	- -	- -		
28	WL 23	- -	- -	- -	- -	- -	- -		
29	WL 23	x -	- -	x -	x x	0 -	x -		
30	WL 23	x -	- -	x -	x x	x -	x -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BIWABIK	Hector Mine	x -	- -	10 -	0.003 -	- x	Lp(Sedimentation) -	No Discharge -	1
BIWABIK	Higgins Mine # 1	x -	- -	10 -	x -	- x	x -	Embarrass River -	2
BIWABIK *	Mary Ellen Concentrating Plant	x -	- -	10 A	5.8E P	- 5.8	C -	Closed system No discharge	3
BIWABIK	Mary Ellen Mine	x -	- -	10 -	- -	- -	See Biwabik - Mary Ellen Conc. Plant	Biwabik Creek -	4
BIWABIK	Ruddy Mine	x -	- -	10 -	x -	- -	None -	Mud Lake -	5
BIWAKIK TOWNSHIP (St. Louis County)	Emmett Mine	x -	- -	10 -	x -	- x	x -	McKinley Creek -	6
BLACKDUCK		732 -	900 -	S -	0.06E -	1.65 0.100	ShCmFtlhCpEcgDcrBo -	Blackduck Lake to Blackduck River	7
BLAKELEY	Blakeley Co-op. Creamery	x -	- -	20 L	x -	- -	None -	Minnesota River -	8
BLOOMING PRAIRIE		1,442 -	1,000 -	S -	x -	1.046 0.16	ShCmFtrDcpBo -	Cedar River -	9
BLUE EARTH		3,843 -	2,500 -	S -	x -	- -	None -	Blue Earth River -	10
BLUE EARTH	Blue Earth Co-op. Locker Assn.	x -	- -	20 E	0.007 -	0.050 0.007	CpFttCp -	Blue Earth River -	11
BLUE EARTH	Blue Earth Rendering Co.	x -	- -	20 P	0.003 -	x x	0 Cp -	Soil & Blue Earth River	12
BLUE EARTH	Green Giant Co.	x -	- -	20 C	0.5 -	468. 1.0	SfI -	Soil Absorption -	13
BOCK		96 -	100 -	S -	x -	0.12 0.005	CiFtCpBo -	Bogus Creek -	14
BONGARDS	Bongards Co op Creamery Assn.	x -	- -	20 IL	0.8E CP	x 0.8	Ic -	Land -	15
BOVEY *		1,320 -	1,320 -	S -	0.25 -	4.7 0.33	SmGmCmFthrCm EcgDcrBo*	Trout Lake	16
BOVEY	Danube Concentration Plant	x -	- -	10 A	x -	- x	x -	Prairie River -	17
BOVEY	Danube Mine	x -	- -	10 -	x -	- x	x -	O'Reilly Lake -	18
BOVEY	Danube-Orwell Mine	x -	- -	10 -	x -	- x	x -	Prairie River -	19
BOVEY	Walker Mine	x -	- -	10 -	x -	- x	x -	Trout Lake Outlet -	20
BRAHAM		697 -	1,080 -	S -	0.05E -	1.16 0.07	ShCmFtrCpEcgDcrBo -	Ditch to Rum River	21
BRAINERD		12,637 -	11,000 -	S -	1.5E -	15.0 1.25	ScCmFtrCmEcgDmrstBo -	Mississippi River -	22
BRAINERD	Northwest Paper Company	x -	- -	26 G	2.0E P	- -	6 -	Mississippi River -	23
BRANDON		319 -	250 -	S -	x -	*0.97 0.07	ShCi**Bo -	Slough -	24
BRECKENRIDGE		3,623 -	2,500 -	S -	x -	*6.3 0.5	Lo -	Lagoon -	25
BRICELYN		639 -	540 -	S -	x -	- -	None -	East Fork of Blue Earth River	26
BRICELYN	Bricelyn Co-op. Canning Assn.	x -	- -	20 C	0.22E -	20 0.22	SfIc -	Soil -	27
BROOKLYN CENTER		4,284 -	1,500 -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	28
BROWERVILLE	Farmers Co-op. Creamery Assn.	x -	- -	20 HJL	.033E -	1.1 0.034	FtrCp -	Eagle Creek -	29
BROWNSDALE		493 -	425 -	S -	x -	1.3 0.09	ShCiFthCmEchBo -	Robert Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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MINNESOTA	1957	3 of 28

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	WL 23	- -	- -	- -	- -	x -	- -		
2	WL 23	x -	- -	x -	x x	x -	x -		
3	WL 23	- -	- -	- -	- -	x -	- -		
4	WL 23	- -	- -	- -	- -	- -	- -		
5	WL 23	x -	- -	x -	x x	x -	x -		
6	WL 23	x -	- -	x -	x x	x -	x -		
7	UM 1	x -	x x	x -	x x	7 -	cfhj -		
8	UM 4	x -	x 215E	x -	x x	7 -	cfHK -		
9	UM 10	x -	x x	x -	x x	1 -	C -		
10	UM 4	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
11	UM 4	x -	x x	x -	x x	x -	x -		
12	UM 4	x -	x x	x -	x x	5 -	cH -		
13	UM 4	- -	x -	- -	- -	7 -	- -		
14	UM 3	x -	x x	x -	x x	5 -	cH -		
15	UM 4	- -	x x	- -	- -	4 -	- -		
16	UM 3	- -	x -	- -	- -	7 -	BHIJ -	Joint plant with Coleraine.	
17	UM 3	x -	- -	x -	x x	x -	x -		
18	UM 3	x -	- -	x -	x x	x -	x -		
19	UM 3	x -	- -	x -	x x	x -	x -		
20	UM 3	x -	- -	x -	x x	x -	x -		
21	UM 3	x -	x x	x -	x x	x -	x -		
22	UM 3	x -	x x	x -	x x	1 -	BcfH -		
23	UM 3	x -	x x	x -	x x	7 -	CHi -		
24	UM 4	- -	x x	- -	- -	7 -	- -	*Includes 570 Industrial Waste. **Spirogester	
25	UM 1	- -	x 0	- -	- -	7 -	- -	*Includes 1,500 P.E. Industrial Waste.	
26	UM 4	x -	x x	x -	x x	0 -	ch -		
27	UM 4	- -	x -	- -	- -	7 -	- -		
28	UM 6	- -	- -	- -	- -	- -	- -		
29	UM 3	x -	x x	x -	x x	*2 -	cH -	*Plans approved for enlargements.	
30	UM 10	x -	x x	x -	x x	7 -	CH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION / ESTIMATED POPULATION / NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM / IND. GROUP / WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) / Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BROWNS VALLEY		1,117 -	1,000 -	S -	x -	*2.6 0.16	ShCmFthCmEcDcrBo -	Little Minnesota River	1
BROWNTON		696 -	650 -	S -	x -	- -	None -	Lake Addie -	2
BUFFALO		1,914 -	1,500 -	S -	.140E -	2.0 0.15	ShCmFtrCmEcgDrBo -	Buffalo Lake -	3
BUFFALO LAKE		724 -	570 -	S -	.045E -	- -	None -	Buffalo Creek -	4
BUHL		1,462 -	1,440 -	S -	x -	2.0 0.2	ShAm[illegible] -	Buhl Creek to St. Louis River	5
BUHL *	Margaret Mine	x -	- -	10 -	0.865 -	- 1.1	Lp(Sedimentation) -	Woodbridge Cr. to McQuade Lake	6
BUHL	North Shiras Mine	x -	- -	10 -	x -	- x	Lp(Sedimentation) -	Woodbridge Creek to McQuade Lake	7
BUHL	Wanless Mine	x -	- -	10 -	- -	- -	See Buhl - Margaret Mine	Woodbridge Cr. to McQuade Lake	8
BUHL	Whiteside Mine	x -	- -	10 -	1.08 -	- 2.15	Lp(Sedimentation) -	Woodbridge Creek to McQuade Lake	9
BUHL	Woodbridge Mine	x -	- -	10 -	- -	- -	See Buhl - Margaret Mine	Woodbridge Cr. to McQuade Lake	10
BUTTERFIELD		529 -	475 -	S -	x -	*4.8 0.39	ShCpFthCmEchZiB -	North Branch of Watonwan River	11
BYRON		385 -	320 -	S -	x -	1.3 0.12	ScCmAaCmEcg DcpBo	Cr. to S. Middle Br. of Zumbro R.	12
CALEDONIA		2,243 -	1,700 -	S -	x -	1.05 x	CiFtnCpEcgBo -	Ditch to Crooked Creek	13
CALLAWAY		193 -	225 -	S -	x -	0.15 0.006	CiBo -	Ditch to Buffalo River	14
CALUMET		854 -	850 -	S -	x -	x x	CiBo -	Pinacie Lake Outlet	15
CALUMET	Hill Annex Concentrating Plant	x -	- -	10 A	7.0 -	- 7.0	Lp -	Pinacie Lake Outlet	16
CALUMET	Hill Annex Mine	x -	- -	10 -	7.0 -	- 7.0	Lp(Sedimentation) -	Pinacie Lake Outlet	17
CAMBIA	Cambia Co-op. Creamery	x -	- -	20 L	x -	- -	None -	Minnesota River -	18
CAMBRIDGE		2,978 -	1,400 -	S -	0.105 -	- -	None -	Rum River -	19
CAMBRIDGE	State Epileptic Colony	- 995-9	1,200 -	S -	0.24E -	- -	None -	Rum River -	20
CANBY		2,173 -	1,900 -	S -	.175E -	3.4 0.252	CmFtlhCmEgcDcgBo -	Lac Qui Parle River	21
CANNON FALLS		1,831 -	1,400 -	S -	x -	- -	None -	Little Cannon R. to Cannon River	22
CANNON FALLS	Mineral Springs Sanitarium	- 100-9	100 -	S -	x -	x x	CiEcgBo -	Cannon River -	23
CARLTON		650 -	325 -	S -	.155E -	2.0 0.275	ShCmEcgDchrBo -	St. Louis River -	24
CARVER	Minnesota Cove Cheese Company	x -	- -	20 1	x -	- -	None -	Minnesota River -	25
CARVER	Wm. Mueller and Sons	x -	- -	14 -	0.3E P	 0.3	C -	Closed system proposed	26
CASS LAKE		1,936 -	1,700 -	S -	x -	- -	None -	Cass Lake -	27
CHASKA		2,003 -	1,500 -	S -	x -	- -	None -	Minnesota River -	28
CHASKA	American Crystal Sugar Company	x -	- -	20 A	3.5 -	- -	None -	Minnesota River -	29
CHASKA	Mudeura Sanitarium	- x	80 -	S -	x -	- -	None -	Minnesota River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 4	x -	x x	x -	x x	7 -	CEFH -		
2	UM 3	- -	x x	- -	- -	0 -	ch -		
3	UM 3	- -	x x	- -	- -	5 -	cH -		
4	UM 3	x -	x x	x -	x x	0 -	cfhj -		
5	WL 23	x -	x x	x -	x x	5 -	ch -		
6	WL 23	x -	- -	x -	x x	4 -	x -		
7	WL 23	x -	- -	x -	x x	7 -	x -		
8	WL 23	- -	- -	- -	- -	- -	- -		
9	WL 23	x -	- -	x -	x x	4 -	x -		
10	WL 23	- -	- -	- -	- -	- -	- -		
11	UM 4	x -	x x	x -	x x	7 -	CH -	*Includes 4,100 Industrial Waste.	
12	UM 6	x -	x x	x -	x x	7 -	CHF -		
13	UM 6	x -	x x	x -	x x	2 -	cH -		
14	UM 1	x -	x x	x -	x x	x -	x -		
15	UM 3	x -	x x	x -	x x	2 -	CH -		
16	UM 3	x -	- -	x -	x x	x -	x -		
17	UM 3	x -	- -	x -	x x	7 -	x -		
18	UM 4	x -	x 60E	x -	x x	7 -	cFH -		
19	UM 3	x -	x x	x -	x x	0 -	ch -		
20	UM 3	x -	x x	x -	x x	0 -	ch -		
21	UM 4	x -	x x	x -	x x	7 -	ch -		
22	UM 6	x -	x x	x -	x x	*0 -	cfh -	*Plans approved for trt. plant & interceptors.	
23	UM 6	x -	x x	x -	x x	1 -	cfh -		
24	WL 23	x -	x x	x -	x x	7 -	ABCFHIJK -		
25	UM 4	x -	x 153E	x -	x x	0 -	cfhjK -		
26	UM 4	- -	- -	- -	- -	2 -	- -		
27	UM 3	- -	x x	- -	- -	*0 -	cfh -	*Plans approved for treatment plant.	
28	UM 4	x -	6,150E 6,150E	x -	x x	0 -	cfhjk -		
29	UM 4	x -	62,700E 62,700E	x -	x x	0 -	x -		
30	UM 4	x -	80E 80E	x -	x x	0 -	x -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
CHATFIELD		1,605 -	1,200 -	S -	0.098 -	2.0 0.125	S CmFthC EgZcB -	North Branch of Root River	1
CHATFIELD	Chatfield Rendering Co.	x -	- -	20 P	0.044 P	x x	O Cp -	North Branch of Root River	2
CHATFIELD	Schroeder Concentrator	x -	- -	10 A	0.24E P	- 0.24	C -	Closed system No discharge	3
CHISAGO CITY		703 -	(340) -	S -	- -	- -	See Lindstrom -	Mud Lake to Sunrise River	4
CHISHOLM		6,861 -	6,250 -	S -	x -	*8.1 0.78	SmgGmCmFthCmEcgDfrBo -	East Swan River -	5
CHISHOLM	Alworth Mine	x -	- -	10 -	- -	- -	See Fraser - Sherman Mine	East Swan River -	6
CHISHOLM *	Duncan Concentrating Plant	x -	- -	10 A	8.4 -	- 8.4	Lp(Sedimentation) -	East Swan River -	7
CHISHOLM	Glen Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	8
CHISHOLM	Godfrey Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	9
CHISHOLM	Humphrey Mine	x -	- -	10 -	- -	- -	See Fraser Sherman Mine	East Swan River -	10
CHISHOLM	Leonard Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	11
CHISHOLM	Leonard-Burt Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	12
CHISHOLM	Monroe-Tenner Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	13
CHISHOLM	Pillsbury Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	14
CHISHOLM	Ranee Sandgrover Gravel Company	x -	- -	14 -	0.15E P	- 0.15	C -	Swamp to Creek to Shannon Lake	15
CHISHOLM	St. Clair Mine	x -	- -	10 -	- -	- -	See Fraser Sherman Mine	East Swan River -	16
CHISHOLM	Shenango Mine	x -	- -	10 -	- -	- -	See Fraser Sherman Mine	East Swan River -	17
CHOKIO		541 -	290 -	S -	x -	0.42 0.025	ShCiFtrCpBo -	Drainage Ditch -	18
CLARA CITY		1,106 -	760 -	S -	x -	0.666 0.04	ShCiFtrCpE Bo -	Hawk Creek -	19
CLAREMONT		426 -	420 -	S -	x -	0.5 0.03	CiBo -	S. Middle Branch of Zumbro River	20
CLAREMONT	Claremont Creamery Assn.	x -	- -	20 JL	0.086 -	- -	None -	S. Middle Branch of Zumbro River	21
CLARISSA		650 -	470 -	S -	x -	1.455 0.082	ShScSfFthCmDcBo -	Eagle Creek -	22
CLARKFIELD		1,012 -	850 -	S -	x -	0.8 0.045	CiFtrC Bo -	Hazel River -	23
CLEARBROOK		539 -	485 -	S -	x -	1.13 0.094	ShCiFthCpEcgBo -	Clearwater River -	24
CLEVELAND		325 -	292 -	S -	x -	0.375 0.03	Ci -	Cherry Creek -	25
CLIMAX		271 -	100 -	S -	x -	- -	None -	Sand Hill River -	26
CLINTON		718 -	650 -	S -	x -	1.5 0.13	Lo -	Soil absorption overflow to Marsh	27
CLOQUET		7,685 -	6,900 -	S -	x -	*15.0 1.5	ScGmCmEgTcDfr -	St. Louis River -	28
CLOQUET	Northwest Paper Company	x -	- -	26 ABCE	40 -	x x	6 L -	St. Louis River -	29
CLOQUET	Wood Conversion Company	x -	- -	26 ACH	2.6 -	- -	11 -	St. Louis River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (000) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	x	x	x	5	CH			
	6	-	x	-	x	-		-		
2	UM	x	6005	x	x	5	cH			
	6	-	x	-	x	-		-		
3	UM	-	-	-	-	2		-		
	6	-	-	-	-	-		-		
4	UM	-	-	-	-	-		-		
	5	-	-	-	-	-		-		
5	WL	x	x	x	x	7	CH		*Includes 600 P.E.	
	23	-	x	-	x	-		-	for industrial waste.	
6	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
7	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
8	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
9	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
10	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
11	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
12	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
13	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
14	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
15	WL	-	-	-	-	7	CH			
	23	-	-	-	-	-		-		
16	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
17	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
18	UM	x	x	x	x	x		x		
	4	-	x	-	x	-		-		
19	UM	x	x	x	x	5	CH			
	4	-	x	-	x	-		-		
20	UM	x	x	x	x	4	ch			
	6	-	x	-	x	-		-		
21	UM	x	x	x	x	0		x		
	6	-	x	-	x	-		-		
22	UM	x	x	x	x	7	cH			
	3	-	x	-	x	-		-		
23	UM	x	x	x	x	1	CH			
	4	-	x	-	x	-		-		
24	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
25	UM	x	x	x	x	x		x		
	4	-	x	-	x	-		-		
26	UM	x	x	x	x	0	ch			
	1	-	x	-	x	-		-		
27	UM	x	x	x	x	7	H			
	4	-	x	-	x	-		-		
28	WL	x	x	x	x	7	aBCfHIJK		*Includes 5,000	
	23	-	x	-	x	-		-	Industrial Waste.	
29	WL	x	x	x	x	2	ABCFHIJK			
	23	-	x	-	x	-		-		
30	WL	x	x	x	x	0	abcfhijk			
	23	-	x	-	x	-		-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
COKATO		1,403 -	1,000 -	C -	x -	1.40 0.08	ShCmFthCmEcgZiB -	Sucker Creek -	1
COKATO *	Creen Giant Co.	x -	- -	20 C	0.7 -	35 0.8	L FthSf -	Sucker Creek -	2
COKATO	Northland Canning Co.	x -	- -	20 C	- -	- -	See Cokato - Green Giant Co.	Sucker Creek -	3
COLD SPRINGS		1,488 -	1,275 -	S -	x -	- -	None -	Sauk River -	4
COLERAINE*		1,321 -	(1,320) -	S -	0.18 -	- -	See Bovey Plant	Trout Lake	5
COLERAINE *	Buckeye Concentrating Plant	x -	- -	10 A	7.92 -	- x	Lp -	No discharge - Closed system	6
COLERAINE	Canisteo Concentration Plant	x -	- -	10 A	x -	- x	x -	Trout Lake Outlet -	7
COLERAINE	Canisteo Mine	x -	- -	10 -	x -	- x	x -	Trout Lake Outlet -	8
COLERAINE	Danube-Fletcher Mine	x -	- -	10 -	x -	- x	x -	O'Reilly Lake -	9
COLERAINE	King Mine	x -	- -	10 -	0.013 -	- -	None -	Creek to Trout Lake	10
COLERAINE	Morrison Mine	x -	- -	10 -	x -	- x	x -	Trout Lake Outlet	11
COLERAINE	Parcel No. 3 Concentrator	x -	- -	10 A	x -	- x	C -	Closed system No discharge	12
COLERAINE	Trout Lake Concentrating Plant	x -	- -	10 A	x -	- x	Lp(Sedimentation) -	Trout Lake Outlet	13
COLERAINE	West Hill Con centrating Plant	x -	- -	10 A	8.64 -	- 8.64	Lp(Sedimentation) -	No discharge Closed system	14
COLUMBIA HEIGHTS		8,175 -	(4,000) -	C -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	15
COMFREY		642 -	580 -	S -	x -	0.97 .093	ShCmFthCmEcDcmpBo -	Ditch to Little Cottonwood River	16
COOK		482 -	420 -	S -	x -	0.41 0.025	ShCiEchBo -	Little Fork River -	17
COOLEY		113 -	120 -	S -	x -	- -	None -	Pickerel Creek -	18
COOLEY *	Harrison Concentration Plant	x -	- -	10 A	2.09 -	- 2.09	Lp -	Pickerel Creek -	19
COOLEY	Harrison Mine	x -	- -	10 -	- -	- -	See Cooley-Harrison Concentrating Plant	Pickerel Creek -	20
COOLEY	Kevin Mine	x -	- -	10 -	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	21
COOLEY	Olson Mine	x -	- -	10 -	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	22
COOLEY *	Patrick A Con centrating Plant	x -	- -	10 A	24 -	- 24	Lp -	Oxhide Lake Outlet	23
COOLEY	Patrick B. Concentrating Plant	x -	- -	10 A	9.5 -	- 9.5	Lp(Sedimentation) -	No discharge Closed system	24
COOLEY	Patrick C Con centrating Plant	x -	- -	10 A	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	25
COOLEY	Patrick Ann Mine	x -	- -	10 -	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	26
COOLEY	Patrick Annex Mine	x -	- -	10 -	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	27
COOLEY	Snyder Mine	x -	- -	10 -	- -	- -	See Cooley-Patrick A Concentrating Plant	Oxhide Lake Outlet	28
COTTONWOOD		709 -	620 -	S -	x -	0.83 x	ShCpFthCpEchDcpBo -	Cottonwood L. to Yellow Medicine R	29
COURTLAND	Courtland Creamery Assn.	x -	- -	20 L	x -	x x	Cp -	Minnesota River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	 Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM	x	x	x	x	5	cH		
	3	-	x	-	x	-	-		
2	UM	x	x	x	x	5	cH		
	3	-	x	-	x	-	-		
3	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
4	UM	x	x	x	x	0	ch		
	3	-	x	-	x	-	-		
5	UM	-	-	-	-	-	-	*Joint Plant with Bovey.	
	3	-	-	-	-	-	-		
6	UM	-	-	-	-	x	-		
	3	-	-	-	-	-	-		
7	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
8	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
9	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
10	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
11	UM	x	-	x	x	x	x		
	5	-	-	-	x	-	-		
12	UM	-	-	-	-	7	-		
	3	-	-	-	-	-	-		
13	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
14	UM	-	-	-	-	x	-		
	3	-	-	-	-	-	-		
15	UM	-	-	-	-	-	-		
	6	-	-	-	-	-	-		
16	UM	x	x	x	x	x	x		
	4	-	x	-	x	-	-		
17	UM	x	x	x	x	2	CFHJ		
	2	-	x	-	x	-	-		
18	UM	x	x	x	x	0	cfh		
	3	-	x	-	x	-	-		
19	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
20	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
21	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
22	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
23	UM	x	-	x	x	x	x		
	3	-	-	-	x	-	-		
24	UM	-	-	-	-	x	-		
	3	-	-	-	-	-	-		
25	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
26	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
27	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
28	UM	-	-	-	-	-	-		
	3	-	-	-	-	-	-		
29	UM	x	x	x	x	3	CH1		
	4	-	x	-	x	-	-		
30	UM	x	x	x	x	7	cFH		
	4	-	x	-	x	-	-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
CROMWELL		197 -	177 -	S -	x -	0.54 0.043	CiBo -	Tamarack River -	1
CROOKSTON		7,352 -	6,450 -	C -	x -	- -	None -	Red Lake River -	2
CROOKSTON	Sunnyrest Sanitarium	- 75-9	75 -	S -	x -	- -	None -	Red Lake River -	3
CROSBY		2,777 -	2,600 -	S -	x -	x x	CsBo -	Serpent Creek -	4
CROSBY	Armour No. 2 Mine	x -	- -	10 -	0.5 -	- -	None -	Serpent Creek -	5
CROSBY	Manuel Concentrating Plant	x -	- -	10 A	x -	- x	Lp(Sedimentation) -	No discharge - Closed system	6
CROSBY	Manuel Mine	x -	- -	10 -	3.0 -	- 3.0	Lp(Sedimentation) -	Turner Lake -	7
CROSBY ★	Portsmouth Concentrating Plant	x -	- -	10 A	6.62 -	- 6.62	Lp -	No Discharge - Closed system	8
CROSBY	Portsmouth Mine	x -	- -	10 -	- -	- -	See Crosby-Portsmth. Concentrating Plant	No discharge - Closed system	9
CRYSTAL		5,713 -	(2,000) -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	10
CURRIE		551 -	460 -	S -	x -	- -	None -	Des Moines River -	11
CUYUNA		112 -	150 -	S -	x -	- -	None -	Rabbit Lake Outlet	12
CUYUNA	Kennedy Mine	x -	- -	10 -	x -	- -	None -	Rabbit Lake -	13
CUYUNA	Rabbit Lake Mine	x -	- -	10 -	7.2 -	- 7.2	Lp(Sedimentation) -	Rabbit Lake Outlet	14
CYRUS		363 -	300 -	S -	x -	0.7 0.042	CiBo -	Chippewa River -	15
DASSEL		962 -	850 -	S -	x -	*1.7 0.12	ShCi**FthCmEchBo -	Creek to Spring Lake	16
DAWSON		1,834 -	1,500 -	S -	x -	1.4 0.11	CiB -	Lac Qui Parle River	17
DEER RIVER		1,033 -	880 -	S -	x -	- -	None -	Deer River -	18
DEERWOOD		572 -	500 -	S -	x -	1.4 0.085	CiBo -	Cranberry Lake -	19
DE GRAFF		270 -	260 -	S -	x -	- -	None -	Dry Run to East Br. of Chippewa R	20
DELANO		1,386 -	1,250 -	S -	x -	*2.6 0.176	ShCmFthCmEhZiBo -	Crow River -	21
DETROIT LAKES		5,787 -	4,500 -	S -	x -	20. 1.0	S SfFt2hCmFtnCmEc DrHZcVv	Pelican River -	22
DILWORTH		1,429 -	(1,500) -	S -	- -	- -	See Moorhead -	Red River -	23
DODGE CENTER		1,151 -	800 -	S -	x -	*3.0 0.38	ShCmFthCmEchDcrBo -	S. Middle Branch of Zumbro River	24
DODGE CENTER	Anderson Canning & Pickle Co.	x -	- -	20 C	0.075 -	6.5 0.12	SfL -	S. Middle Branch of Zumbro River	25
DONNELLY		396 -	345 -	S -	x -	- -	None -	Ditch to Twelve Mile Creek	26
DULUTH ★		104,511 -	100,000 -	C -	x -	150.0 9.0	SmGmKa CmEgcDefmrs ZilVvXdn	Lake Superior -	27
DULUTH	American Steel & Wire Co.	x -	- -	34 A	41.4 -	- -	None -	St. Louis River -	28
DULUTH	Barnes-Duluth Shipyards	x -	- -	34 x	x -	- -	None -	St. Louis River -	29
DULUTH	Elliott Packing Co	x -	- -	20 P	x -	x x	Cp -	St. Louis River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATERCOURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	x	x	x	x		x		
	3	-	x	-	x	-		-		
2	UM	x	x	x	x	*0	aBCHj		*Plans approved for treatment plant.	
	1	-	x	-	x	-		-		
3	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
4	UM	x	x	x	x	4	cfh			
	3	-	x	-	x	-		-		
5	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
6	UM	-	-	-	-	x		-		
	3	-	-	-	-	-		-		
7	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
8	UM	-	-	-	-	x		-		
	3	-	-	-	-	-		-		
9	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
10	UM	-	-	-	-	-		-		
	6	-	-	-	-	-		-		
11	UM	x	x	x	x	0	cfh			
	11	-	x	-	x	-		-		
12	UM	x	x	x	x	0	ch			
	3	-	x	-	x	-		-		
13	UM	-	-	-	-	x		x		
	3	-	-	-	-	-		-		
14	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
15	UM	x	x	x	x	1	ceh			
	4	-	x	-	x	-		-		
16	UM	-	x	-	-	7	CH		*Includes 500 Industrial Waste. **Spirogester.	
	3	-	x	-	-	-		x		
17	UM	x	x	x	x	4	ceh			
	4	-	x	-	x	-		-		
18	UM	x	x	x	x	*0	cfh		*Plans approved for treatment plant.	
	3	-	x	-	x	-		-		
19	UM	x	x	x	x	x		x		
	3	-	x	-	x	-		-		
20	UM	x	x	x	x	*0	ch		*Plans approved for treatment plant.	
	4	-	x	-	x	-		-		
21	UM	x	x	x	x	7	CH		*Includes 950 P.E. Industrial Waste.	
	3	-	x	-	x	-		-		
22	UM	x	x	x	x	7	CFHIJ			
	1	-	x	-	x	-		-		
23	UM	-	-	-	-	-		-		
	1	-	-	-	-	-		-		
24	UM	x	x	x	x	7	CH		*Includes 1,400 Industrial Waste.	
	6	-	x	-	x	-		-		
25	UM	x	x	x	x	5	ch			
	6	-	x	-	x	-		-		
26	UM	x	x	x	x	0	ch			
	1	-	x	-	x	-		-		
27	WL	-	x	-	-	*1	**		*Enlargements under construction.	**ABCEfHiJK
	23	-	x	-	-	-		-		
28	WL	x	x	x	x	x	*		*ABCEfHiJK	
	23	-	x	-	x	-		-		
29	WL	x	x	x	x	x	*		*ABCEfHiJK	
	23	-	x	-	x	-		-		
30	WL	x	x	x	x	4	*		*ABCEfHiJK	
	23	-	x	-	x	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES			LINE No.
						Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	
1		2	3	4	5	6	7	8	
DULUTH	Interlake Iron Corp.	x -	- -	34 A	12.5 -	- -	None -	St. Louis River -	1
DULUTH	Nopeming Sanatorium	- x	250 -	S -	x -	0.4 0.08	ShCiFtnCpEgcBo -	Mission Creek -	2
EAST GRAND FORKS		5,049 -	3,150 -	S -	x -	- -	None -	Red River of the North	3
EAST GRAND FORKS	American Crystal Sugar Co.	x -	- -	20 A	4.5 -	106. 4.5	C -	Red River of the North	4
EASTON		379 -	300 -	C -	x -	- -	None -	Maple River -	5
ECHO		490 -	440 -	S -	x -	0.88 0.092	ShCmFthCmEcDcpBo -	Ditch C-1 to Minnesota River	6
EDEN PRAIRIE	Hopkins Sand and Gravel Company	x -	- -	14 -	0.54E P	- 0.54	C -	Proposed closed system	7
EDGERTON		961 -	850 -	S -	x -	1.66 0.1	ShCiFt CpBo -	Rock River -	8
EDGERTON	Edgerton Creamery	x -	- -	20 L	x -	x x	x -	Rock River -	9
EDGERTON	Edgerton Rendering Works	x -	- -	20 P	.001E P	0.08 0.001	Is -	Land -	10
EDINA		9,744 -	(3,000) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	11
ELBOW LAKE		1,398 -	1,270 -	S -	x -	*2.4 0.22	ShCmFthCmEcZiB -	Worm Lake -	12
ELGIN		438 -	220 -	S -	x -	2.4 0.12	ShCmFt2hrCm EcgDcrBo	Whitewater River -	13
ELK RIVER		1,399 -	1,100 -	S -	x -	- -	None -	Mississippi River -	14
ELLSWORTH		630 -	623 -	S -	x -	1.08 0.076	ShCiFthCmEchBo -	Creek to Kanaransie River	15
ELMORE		1,074 -	935 -	S -	x -	- -	None -	Ditch to Blue Earth River	16
ELY		5,474 -	6,000 -	S -	x -	6.0 1.0	SchCmCmFthCmEcDcpr Bo	Shagawa Lake -	17
ELY	Pioneer Mine	x -	- -	10 -	0.29 -	- -	None -	Shagawa Lake -	18
ELY	Sibley Mine	x -	- -	10 -	0.72 -	- -	None -	Shagawa Lake -	19
ELY	Zenith Mine	x -	- -	10 -	0.19 -	- -	None -	Shagawa Lake -	20
EMMONS		356 -	300 -	S -	x -	0.36 0.022	CiBo -	Ditch to Lime Creek	21
ESKO		- 185-1	200 -	S -	x -	0.375 0.03	ShCiFtnCpBo -	Midway River -	22
EVELETH *		5,872 -	6,300 -	S -	x -	10.0 x	ShCiFtnCpBo -	Creek to Elbow Lake	23
EVELETH	Coons-Pacific Conc. Plant	x -	- -	10 A	6.48 -	- 6.48	Lp(Sedimentation) -	No discharge - Closed system	24
EVELETH	Fayal Mine	x -	- -	10 -	x -	- x	x -	Long Lake -	25
EVELETH	Genoa-Sparta Conc. Plant	x -	- -	10 A	x -	- x	Lp -	Otter River -	26
EVELETH	Hull-Nelson Mine	x -	- -	10 -	x -	- x	x -	Elbow Lake Outlet	27
EVELETH	Spruce Mine	x -	- -	10 -	x -	- x	x -	Elbow Lake Outlet	28
EVELETH	Troy Mine	x -	- -	10 -	x -	- x	x -	Long Lake -	29
EVELETH *	Virginia Concentrating Plant	x -	- -	10 A	5.1 -	- 5.1	Lp, 11 -	Three Mile Lake -	30

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LINE No.	DRAINAGE BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	Duration (Days)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT	REMARKS	ADDITIONAL COMMENTS
	SUB-BASIN		DISCHARGED WASTE		Frequency (Years)			FUTURE		
	9	10	11	12	13	14	15		16	17
1	WL	x	x	x	x	x	*		*ABCEfHiJK	
	23	-	x	-	x	-		-		
2	WL	x	x	x	x	x		x		
	23	-	x	-	x	-		-		
3	UM	x	x	x	x	*0	cH		*Plans approved for	
	1	-	x	-	x	-		-	treatment plant.	
4	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
5	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
6	UM	x	x	x	x	x		x		
	4	-	x	-	x	-		-		
7	UM	-	-	-	-	2		-		
	4	-	-	-	-	-		-		
8	MR	BS84.7-100	1,100	x	x	7	cH			
	7	-	440	-	x	-		-		
9	MR	BS84.7-100	x	x	x	7	cH			
	7	-	x	-	x	-		-		
10	MR	BS84.7-99	808	x	x	7	cH			
	7	-	0	-	x	-		-		
11	UM	-	-	-	-	-		-		
	6	-	-	-	-	-		-		
12	UM	-	x	-	-	7	CHJ		*Includes 400	
	1	-	x	-	-	-		-	Industrial Waste.	
13	UM	x	x	x	x	7	CFH			
	6	-	x	-	x	-		-		
14	UM	x	x	x	x	*0	cfhj		*Plans approved for	
	3	-	x	-	x	-		-	treatment plant.	
15	MR	BS84.7-46-	770	x	x	7	cH			
	7	16.3-4	120	-	x	-		-		
16	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
17	UM	-	x	-	-	7	FHiJ			
	2	-	x	-	-	-		-		
18	UM	-	-	-	-	x		x		
	2	-	-	-	-	-		-		
19	UM	-	-	-	-	x		x		
	2	-	-	-	-	-		-		
20	UM	-	-	-	-	x		x		
	2	-	-	-	-	-		-		
21	UM	x	x	x	x	4		x		
	10	-	x	-	x	-		-		
22	WL	x	x*	x	x	7	cfh		*90% of plant load is	
	23	-	x	-	x	-		-	industrial.	
23	WL	x	x	x	x	1	ceH			
	23	-	x	-	x	-		-		
24	WL	-	-	-	-	x		-		
	23	-	-	-	-	-		-		
25	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
26	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
27	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
28	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
29	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
30	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
EVELETH	Virginia Mine	x -	- -	10 -	- -	- -	See Eveleth - Virginia Conc. Plant	Three Mile Lake -	1
EXCELSIOR		1,763 -	1,300 -	S -	x -	1.5 0.1	ScCmFtrCpFsEgcDrBo -	Lake Minnetonka -	2
EYOTA		495 -	445 -	S -	x -	*1.2 0.099	ShCiFthCmEchBo -	South Branch of Whitewater River	3
FAIRFAX		1,143 -	1,000 -	S -	x -	2.0 0.12	ShCmFtnCpEgDcBo -	Ditch to Rock River	4
FAIRMONT		8,193 -	6,000 -	S -	1.2 -	15.0 3.0	ScCmFtrCmEgDcr HoBo	Center Creek -	5
FAIRMONT	Stokeley Van-Camp, Inc.	x -	- -	20 CR	0.5E P	20. 0.5	SfOaIc -	Center Creek -	6
FALCON HEIGHTS		3,884 -	3,600 -	S -	x -	- -	See Minneappolis St. Paul S.D.	Mississippi River	7
FARIBAULT		16,028 -	13,000 -	S -	x -	*35.0 2.7	SgGmCmFthCmEcg DfhrtZil Vv	Straight River -	8
FARIBAULT	Faribault Cannery	x -	- -	20 x	0.4 -	x x	Sf -	Cannon River -	9
FARIBAULT	State F. M. School & Colony	- 2.650-9	2,950 -	S -	x -	2.5 0.25	CiEgBo -	Straight River -	10
FARMINGTON		1,916 -	1,000 -	S -	x -	0.77 0.046	CiBo -	Vermilion River -	11
FAYAL		- 400-9	(300) -	S -	- -	- -	See Eveleth -	Creek to Elbow Lake	12
FAYAL TOWNSHIP (St. Louis County)	Burns Mine	x -	- -	10 -	x -	- x	Lp(Sedimentation) -	Ely Lake -	13
FERGUS FALLS		12,917 -	9,800 -	SC -	x -	7.7 1.0	CmEgcDcrBo -	Ottertail River -	14
FLENSBURG		281 -	253 -	S -	x -	0.26 0.021	ShCiBo -	Slough to Pike Creek	15
FERTILE		890 -	820 -	S -	x -	- -	None -	Sand Hill River -	16
FLOODWOOD		667 -	510 -	S -	x -	- -	None -	Floodwood River -	17
FOLEY		1,089 -	900 -	S -	x -	4.6 0.151	ShSfFt1hCmFt2hCm EcgZiB	Stony Creek to Elk River	18
FOREST LAKE		1,766 -	1,100 -	S -	x -	2.6 0.175	ScCmAmCmEcDcBo -	Mud Lake -	19
FOSSTON		1,614 -	1,150 -	S -	x -	2.9 0.15	ShCiFtrCpEcBoDeh -	Poplar River -	20
FRANKLIN (Renville County)		546 -	450 -	S -	x -	- -	None -	Purgatory Creek -	21
FRANKLIN (St. Louis County)		115 -	95 -	S -	x -	x x	CiFtC Bo -	Mine Cave -	22
FRANKLIN (St. Louis County)	Commodore Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	23
FRANKLIN (St. Louis County)	Julia Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	24
FRANKLIN (St. Louis County)	Lone Jack Mine	x -	- -	10 -	- -	- -	None (Thru Virginia-Rouchleau Mine)	East Two Rivers -	25
FRANKLIN (St. Louis County)	Missabe Mountain Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	26
FRANKLIN (St. Louis County)	Moose Mine	x -	- -	10 -	- -	- -	None (Thru Virginia-Rouchleau Mine)	East Two Rivers -	27
FRANKLIN (St. Louis County)	Norman Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	28
FRANKLIN (St. Louis County)	Ohio Mine	x -	- -	10 -	- -	- -	None (Thru Virginia-Rouchleau Mine)	East Two Rivers -	29
FRANKLIN (St. Louis County)	Shaw Mine	x -	- -	10 -	- -	- -	None (Thru Virginia-Rouchleau Mine)	East Two Rivers -	30

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LINE No.	DRAIN-AGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
2	UM	-	x	-	-	1	aCFHIJK			
	6	-	x	-	-	-		-		
3	UM	x	x	x	x	7		x	*Includes 425 P.E.	
	6	-	x	-	x	-		-	Industrial waste.	
4	UM	x	x	x	x	5	CH			
	4	-	x	-	x	-		-		
5	UM	x	x	x	x	7	C..			
	4	-	x	-	x	-		-		
6	UM	x	x	x	x	7	CH			
	4	-	x	-	x	-		-		
7	UM	-	-	-	-	-		-		
	6	-	-	-	-	-		-		
8	UM	x	x	x	x	7	CH		*Includes 16,000	State Schools.
	6	-	x	-	x	-		-	Industrial Waste and	
9	UM	x	x	x	x	*2		x	*Additions under	
	6	-	x	-	x	-		-	construction.	
10	UM	x	x	x	x	4	ch			
	6	-	x	-	x	-		-		
11	UM	x	x	x	x	4		x		
	6	-	x	-	x	-		-		
12	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
13	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
14	UM	x	x	x	x	2	aCFH			
	1	-	x	-	x	-		-		
15	UM	x	x	x	x	0	ch			
	1	-	x	-	x	-		-		
16	UM	x	x	x	x	7		x		
	3	-	x	-	x	-		-		
17	WL	x	x	x	x	*0	cfh		*Plans approved for	
	23	-	x	-	x	-		-	treatment plant.	
18	UM	x	x	x	x	7	cH			
	3	-	x	-	x	-		-		
19	UM	-	x	-	-	7	CH			
	3	-	x	-	-	-		-		
20	UM	x	x	x	x	5	ch			
	1	-	x	-	x	-		-		
21	UM	x	x	x	x	*0	ch		*Plans approved for	
	4	-	x	-	x	-		- -	treatment plant.	
22	WL	-	x	-	-	5		-		
	23	-	x	-	-	-		-		
23	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
24	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
25	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
26	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
27	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
28	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
29	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
30	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES			LINE No.
						Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	
1		2	3	4	5	6	7	8	
FRANKLIN (St. Louis County)	Yawkey Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	1
FRASER		134 -	140 -	S -	x -	x x	CiBo -	East Swan River -	2
FRASER	Croxton Mine	x -	- -	10 -	- -	- -	See Fraser - Sherman Mine	East Swan River -	3
FRASER	Douglas Mine	x -	- -	10 -	- -	- -	See Chisholm - Duncan Conc. Plant	East Swan River -	4
FRASER	Duncan Mine	x -	- -	10 -	- -	- -	See Chisholm - Duncan Conc. Plant	East Swan River -	5
FRASER	Dunwoody Mine	x -	- -	10 -	x -	- x	x -	x -	6
FRASER	Elbern Mine	x -	- -	10 -	0.002 -	- 0.002	Lp(Sedimentation) -	East Swan River -	7
FRASER	Fraser Mine	x -	- -	10 -	- -	- -	See Fraser - Sherman Mine	East Swan River -	8
FRASER	Hartley Mine	x -	- -	10 -	- -	- -	See Fraser - Sherman Mine	East Swan River -	9
FRASER	Hartley Burt Mine	x -	- -	10 -	- -	- -	See Fraser - Sherman Mine	East Swan River -	10
FRASER *	Sherman Mine	x -	- -	10 -	2.43 -	- 2.43	Lp(Sedimentation) -	East Swan River -	11
FRAZEE		1,021 -	1,050 -	S -	x -	x 0.042	CiBo -	Ottertail River -	12
FRAZEE	Frazee Creamery Co.	x -	- -	20 L	0.025 -	- -	None -	Ottertail River -	13
FREEPORT		558 -	490 -	S -	x -	0.53 0.06	CiBo -	Getchel Creek to Sauk River	14
FRIDLEY		3,796 -	(1,500) -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	15
FULDA		1,149 -	820 -	S -	x -	1.6 0.1	CiBo -	County Drain to Des Moines River	16
GARDEN CITY	Indian School District # 16	- x	x -	S -	x -	x x	CiIs -	Land -	17
GAYLORD		1,229 -	1,200 -	S -	x -	0.812 0.048	CiBo -	Mud & Titlow Lks. to Rush River	18
GIBBON		830 -	680 -	S -	x -	0.66 0.076	ShCmDcrB -	North Branch of Rush River	19
GIBBON	Gibbon Co op. Creamery	x -	- -	20 L	0.005 -	- -	None -	North Branch of Rush River	20
GILBERT		2,247 -	2,050 -	S -	x -	*3.15 0.42	ShGhCmFthCmEcgDcrBo -	Ditch to Horse- shoe Lake to**	21
GILBERT	Genoa-Sparta Mine	x -	- -	10 -	x -	- x	Lp(Sedimentation) -	Otter River -	22
GILBERT	Gilbert Mine	x -	- -	10 -	- -	- -	See Gilbert - Schley Concentrating Plant	Lost Lake -	23
GILBERT	Gilbert Silver Mine	x -	- -	10 -	0.1E P	- 0.1	C -	Ditch to Horseshoe Lake	24
GILBERT	Mariska Mine & Concentrator	x -	- -	10 A	5.7E P	- 5.7	C -	Lost Lake -	25
GILBERT	Pettit Mine	x -	- -	10 -	- -	- -	See Gilbert - Schley Concentrating Plant	Lost Lake -	26
GILBERT *	Schley Concen trating Plant	x -	- -	10 A	5.3 -	- 5.3	Lp -	Lost Lake -	27
GILBERT	Schley Mine	x -	- -	10 -	- -	- -	See Gilbert - Schley Concentrating Plant	Lost Lake -	28
GLENCOE		2,801 -	2,520 -	S -	x -	*6.45 0.47	SmCpCmFthCmEcgDfhrBo -	Buffalo Creek -	29
GLENCOE	Green Giant Co.	x -	- -	20 C	0.75 -	53. 0.75	SfIcL* -	Buffalo Creek -	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
2	WL	x	x	x	x	2	ceH			
	23	-	x	-	x	-		-		
3	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
4	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
5	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
6	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
7	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
8	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
9	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
10	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
11	WL	x	-	x	x	7		x		
	23	-	-	-	x	-		-		
12	UM	x	x	x	x	4	CFHi			
	1	-	x	-	x	-		-		
13	UM	x	x	x	x	0		x		
	1	-	x	-	x	-		-		
14	UM	x	x	x	x	4	ch			
	3	-	x	-	x	-		-		
15	UM	-		-	-	-		-		
	6	-	-	-	-	-		-		
16	UM	x	x	x	x	x		x		
	11	-	x	-	x	-		-		
17	UM	-	x	-	-	7		-		
	4	-	-	-	-	-		-		
18	UM	-	x	-	-	4	CH			
	4	-	x	-	-	-		-		
19	UM	x	x	x	x	5	ch			
	4	-	x	-	x	-		-		
20	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
21	WL	x	x	x	x	7	CFHi		*Includes 150 Industrial Waste. **Embarrass River	
	23	-	x	-	x	-		-		
22	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
23	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
24	WL	-	x	-	-	7	CH			
	23	-	x	-	-	-		-		
25	WL	-	x	-	-	7	CH			
	23	-	x	-	-	-		-		
26	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
27	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
28	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
29	UM	x	x	x	x	7	CH		*Includes 2,150 P.E. Industrial waste.	
	3	-	x	-	x	-		-		
30	UM	x	x	x	x	x	CH		*Lagoon no longer used, but available if needed.	
	3	-	x	-	x	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
GLEN LAKE	Home School For Boys	- x	x -	S -	x -	x x	CIls -	Land -	1
GLENWOOD		2,666 -	2,300 -	S -	x -	2.5 0.162	ShCiFtnCpBo -	Creek to Lake Minnewaska	2
GOLDEN VALLEY		5.551 -	(2,500) -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	3
GOODHUE		489 -	460 -	S -	x -	0.6 0.056	ShCmFtrCpEgcDcBo -	Ditch to Goodhue Creek	4
GOODRIDGE	Farmers Co-op. Creamery Assn.	x -	- -	20 L	0.01F P	x 0.01	Ip -	Land -	5
GOOD THUNDER		476 -	410 -	S -	x -	- -	None -	Maple River -	6
GRACEVILLE		962 -	920 -	S -	x -	0.8 0.048	CiBo -	Ditch to West Br. of Mustinka River	7
GRANADA		403 -	50 -	C -	x -	- -	None -	Center Creek -	8
GRAND MARAIS		1,078 -	855 -	S -	x -	1.5 0.09	ShCiEgcBo -	Lake Superior -	9
GRAND MEADOW		766 -	600 -	S -	x -	0.76 0.046	ShCiFthCpEgcBo -	Deer Creek to Root River	10
GRAND RAPIDS		6,019 -	4,400 -	S -	x -	- -	None -	Mississippi River -	11
GRAND RAPIDS	Blandin Paper Co.	x -	- -	26 CG	3.5 -	x x	Sif, 6, 11 -	Mississippi River -	12
GRAND RAPIDS TWP. * (Itasca County)	Greenway Concentrator	x -	- -	10 A	x -	- 10.07	Lp -	No discharge - Closed system	13
GRAND RAPIDS TWP. (Itasca County)	Greenway Mine	x -	- -	10 -	- -	- -	See Grand Rapids Twp.-Greenway Conc.	No discharge - Closed system	14
GRAND RAPIDS TWP. (Itasca County)	Jessie Mine	x -	- -	10 -	1.0 -	- 1.0	Lp(Sedimentation) -	Prairie River -	15
GRAND RAPIDS TWP. (Itasca County)	Lind Mine	x -	- -	10 -	2.16 -	- 2.16	Lp(Sedimentation) -	Prairie River -	16
GRANITE FALLS		2,511 -	2,150 -	C -	x -	2.25 0.118	ShCmFtnCpEgcDcrBo -	Minnesota River -	17
GRANITE FALLS	Granite Falls Construction Co.	x -	- -	14 -	0.19E P	- 0.19	C -	Closed system No discharge	18
GRANITE FALLS	Riverside Sanitarium	- 100-9	100 -	S -	x -	0.15 0.018	CiEcBo -	Minnesota River -	19
GREAT SCOTT TWP. (St. Louis County)	Judson Mine	x -	- -	10 -	0.4 -	- 0.4	Lp(Sedimentation) -	Buhl Creek to St. Louis River	20
GROVE CITY		481 -	400 -	S -	x -	0.25 0.015	CiBo -	North Fork of Crow River	21
HALLOCK		1,552 -	1,400 -	C -	x -	2.6* 0.192	ShCmFthCmEcgDcrBo -	Middle Fork of Two Rivers	22
HALSTAD		635 -	570 -	S -	x -	- -	None -	Red River -	23
HAMPTON		275 -	165 -	S -	x -	0.4 0.04	ShCm[AmCm] EcgDcpBoLo	Ditch to Vermillion River	24
HANCOCK		852 -	750 -	S -	x -	0.925 0.054	ShCiFtrCpEgcBo -	Ditch to Chippewa River	25
HANLEY FALLS		320 -	300 -	S -	x -	- -	None -	Yellow Medicine River	26
HARMONY		1,022 -	900 -	S -	x -	2.3* 0.15	ShCmFthCmEcgDchrtBo -	Creek to Upper Iowa River	27
HASTINGS		6,560 -	5,000 -	S -	x -	*9.0 0.6	ScCmEcgDcrBo -	Mississippi River -	28
HASTINGS	State Asylum	- 1.200-9	1,240 -	S -	x -	1.5 0.15	ShScCmAmEcgDc -	Vermilion River -	29
HAWLEY		1,196 -	1,000 -	S -	x -	- -	None -	Buffalo River -	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE (15)	PRESENT / FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM	-	x	-	-	7		-		
	6	-	-	-	-	-		-		
2	UM	x	x	x	x	5	CFHiJK			
	4	-	x	-	x	-		-		
3	UM	-	-	-	-	-		-		
	6	-	-	-	-	-		-		
4	UM	x	x*	x	x	x		x	*50% of waste load is	
	6	-	x	-	x	-		-	industrial.	
5	UM	-	x	-	-	x		-		
	1	-	x	-	-	-		-		
6	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
7	UM	x	x	x	x	4	ch			
	1	-	x	-	x	-		-		
8	UM	x	50	x	x	7	cH			
	4	-	50	-	x	-		-		
9	WL	-	x	-	-	2	EFHiJK			
	23	-	x	-	-	-		-		
10	UM	x	x	x	x	2	CH			
	6	-	x	-	x	&5		-		
11	UM	x	x	x	x	*0	cfh		*Plans approved for	
	3	-	x	-	x	-		-	treatment plant.	
12	UM	x	x	x	x	1	cfh			
	3	-	x	-	x	&2		-		
13	UM	-	-	-	-	x		-		
	3	-	-	-	-	-		-		
14	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
15	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
16	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
17	UM	x	x	x	x	5	bcefH			
	4	-	x	-	x	-		-		
18	UM	-	-	-	-	x		-		
	4	-	-	-	-	-		-		
19	UM	x	x	x	x	5	bcefH			
	4	-	x	-	x	-		-		
20	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
21	UM	x	x	x	x	2	cH			
	3	-	x	-	x	-		-		
22	UM	R20.2**-14	x	x	x	7	CH		*Includes 400 P.E.	**Red River mileage above
	1	12	x	-	x	-		-	Industrial waste.	International Boundary.
23	UM	x	x	x	x	0	aBcH			
	1	-	x	-	x	-		-		
24	UM	x	x	x	x	7	H			
	6	-	x	-	x	-		-		
25	UM	x	x	x	x	7	CH			
	4	-	x	-	x	-		-		
26	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
27	UM	x	x	x	x	7	CH		*Includes 1,000 P.E.	
	6	-	x	-	x	-		-	Industrial waste.	
28	UM	x	x	x	x	7	BCfHiJK		*Includes 1,100	
	6	-	x	-	x	-		-	Industrial Waste.	
29	UM	x	x	x	x	7	CH			
	6	-	x	-	x	-		-		
30	UM	x	x	x	x	0	cFHJ			
	1	-	x	-	x	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
					TREATMENT FACILITIES				
1		2	3	4	5	6	7	8	
HECTOR		1,196 -	960 -	C -	x -	- -	None -	Buffalo Creek -	1
HENDERSON		762 -	500 -	C -	x -	- -	None -	Minnesota River -	2
HENDRICKS		781 -	660 -	S -	x -	1.0 0.06	CiBo -	Lake Hendricks -	3
HENNEPIN COUNTY	Crystal Bay Hill School	- x	x -	S -	x -	x x	CiFt Cp -	Marsh -	4
HENNING		1,004 -	850 -	S -	x -	0.8 0.048	ShCmFtrCpE DcrBo -	Leaf River -	5
HERMAN		752 -	640 -	S -	x -	- -	None -	Pullman Lake -	6
HERON LAKE		837 -	760 -	S -	x -	- -	None -	County Ditch to Heron Lake	7
HIBBING		16,276 -	15,000 -	S -	x -	48.0 2.88	ScKm CmFtrCmEgcDrtBo -	Hibbing Creek -	8
HIBBING	Agnew Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan Creek -	9
HIBBING	Agnew No. 2 Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	10
HIBBING	Albany Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	11
HIBBING	Albany Washing Plant	x -	- -	10 A	x -	- x	x -	East Swan River -	12
HIBBING	Day Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	13
HIBBING	Hull-Rust Con centrating Plt.*	x -	- -	10 A	- -	- x	Lp, 11** -	Hibbing Creek -	14
HIBBING	Hull-Rust (Hull) Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	15
HIBBING	Hull Rust (Rust) Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	16
HIBBING	Impro A Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	17
HIBBING	Longyear Concen- trating Plant	x -	- -	10 A	x -	- x	x -	East Swan River -	18
HIBBING	Longyear Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	19
HIBBING	Mahoning Concen- trating Plant*	x -	- -	10 A	5.8 -	- 5.8	Lp, 11 -	Day Lake -	20
HIBBING *	Mahoning Mine	x -	- -	10 -	x -	- 1.7	11, Lp (Sedimentation)	Day Lake -	21
HIBBING	Morris Mine	x -	- -	10 -	x -	- x	x -	East Swan River -	22
HIBBING	Penobscott Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	23
HIBBING	Scranton Concen- trating Plant	x -	- -	10 A	x -	- x	Lp -	Hibbing Creek -	24
HIBBING	Scranton Mine	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	25
HIBBING	Sellers Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	26
HIBBING	Sellers Triangle Mine	x -	- -	10 -	x -	- x	x -	Hibbing Creek -	27
HIBBING	So. Agnew Con- centrating Plant	x -	- -	10 A	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	28
HIBBING	South Agnew Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	29
HIBBING	South Longyear Mine	x -	- -	10 -	x -	- x	x -	x -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 3	x -	x x	x -	x x	0 -	ch -		
2	UM 4	x -	x x	x -	x x	*0 -	cfhK -	*Plans approved for treatment plant, 1953.	
3	UM 4	- -	x x	- -	- -	2 -	cefhi -		
4	UM 6	- -	x x	- -	- -	7 -	- -		
5	UM 3	x -	x x	x -	x x	x -	CH -		
6	UM 1	x -	x x	x -	x x	0 -	ch -		
7	UM 11	x -	x x	x -	x x	0 -	CFHj -		
8	WL 23	x -	x x	x -	x x	7 -	cH -		
9	WL 23	- -	- -	- -	- -	- -	- -		
10	WL 23	- -	- -	- -	- -	- -	- -		
11	WL 23	x -	- -	x -	x x	x -	x -		
12	WL 23	x -	- -	x -	x x	x -	x -		
13	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
14	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	**Facilities for concentrating plant only.
15	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
16	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
17	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
18	WL 23	x -	- -	x -	x x	x -	x -		
19	WL 23	x -	- -	x -	x x	x -	x -		
20	WL 23	x -	- -	x -	x x	x -	x -	*Part of Mahoning group of mines.	
21	WL 23	- -	- -	- -	- -	x -	x -		
22	WL 23	x -	- -	x -	x x	x -	x -		
23	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
24	WL 23	x -	- -	x -	x x	x -	x -		
25	WL 23	x -	- -	x -	x x	x -	x -		
26	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
27	WL 23	x -	- -	x -	x x	x -	x -		
28	WL 23	- -	- -	- -	- -	- -	- -		
29	WL 23	- -	- -	- -	- -	- -	- -		
30	WL 23	x -	- -	x -	x x	x -	x -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
HIBBING	South Rust Mine*	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	1
HIBBING	Susquehanna Mine	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	2
HIBBING	UNO Concentrating Plant	x -	- -	10 A	x -	- x	Lp(Sedimentation) -	No discharge Closed system	3
HIBBING	Webb Concentrating Plant	x -	- -	10 A	x -	- x	x -	Hibbing Creek -	4
HIBBING	Webb Mine	x -	- -	10 -	x -	- x	x -	Hibbing Creek -	5
HIBBING	Weggum Concentrating Plant	x -	- -	10 A	3.6 -	- 3.6	Lp, 11 -	Hibbing Creek -	6
HIBBING	Weggum Mine	x -	- -	10 -	x -	- -	None -	Hibbing Creek -	7
HILLS	Hills Coop Grocery Ass'n	x -	- -	20 JL	x -	x x	x -	Mud Creek -	8
HINCKLEY		902 -	600 -	S -	x -	- -	None -	Grindstone River -	9
HOFFMAN		575 -	450 -	S -	x -	0.65 0.043	ShSfFthCmEchDcrBo -	Chippewa River -	10
HOLDINGFORD		458 -	460 -	S -	x -	- -	None -	South Two Rivers -	11
HOLDINGFORD	Holding Farmers Creamery	x -	- -	20 L	x -	x x	Cp -	South Two Rivers -	12
HOLLAND		263 -	237 -	S -	x -	0.55* 0.044	ShCiFt CmEch -	Rock River -	13
HOPKINS		7,595 -	(6,800) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	14
HOPKINS	F.W. Hedberg and Sons	x -	- -	14 -	0.24E P	- 0.24	C -	Minnehaha Creek -	15
HOUSTON		973 -	850 -	S -	x -	1.67 x	ScCiEgcBo -	Root River -	16
HOWARD LAKE		931 -	850 -	S -	x -	3.94 0.187	ShSfFtlhCmFt2hCm EcgZiB	Twelve Mile Creek -	17
HOYT LAKES		- 561-5	550 -	S -	x -	15.0 1.2	ScGmCmFthCmEcg DfrtZilVv	Lower Partridge Lake	18
HUTCHINSON		4,690 -	3,500 -	S -	x -	7.7 0.462	ShCmFtnCpDerBo -	South Fork of Crow River	19
HUTCHINSON	Hutchinson Co-op. Creamery	x -	- -	20 L	x -	- -	None -	South Fork of Crow River	20
HUTCHINSON	Kraft Foods Co.	x -	- -	20 J	x -	- -	None -	South Fork of Crow River	21
INTERNATIONAL FALLS		6,269 -	5,000 -	C -	x -	*9.8 0.71	SmGmCmFthCmEcgZiB -	Rainy River -	22
INTERNATIONAL FALLS	Minn. & Ontario Paper Co.	x -	- -	26 ABCG	70 -	- -	11(Waste recovery) -	Rainy River -	23
IRONDALE TOWNSHIP (Crow Wing County)	Louise Mine	x -	- -	10 -	- -	- -	See Ironton - Feigh Mine	Mahnomen Lake -	24
IRONDALE TOWNSHIP (Crow Wing County)	Mallen Mine	x -	- -	10 -	2.01 -	- 2.01	Lp(Sedimentation) -	Little Blackhoof Lake	25
IRONDALE TOWNSHIP (Crow Wing County)	Section 6 Mine	x -	- -	10 -	1.6 -	- 1.6	Lp(Sedimentation) -	Black Bear Lake -	26
IRONDALE TOWNSHIP (Crow Wing County)	Syracuse Mine	x -	- -	10 -	x -	- -	None -	Creek to Mississippi River	27
IRON JUNCTION		128 -	x -	S -	x -	- -	None -	x -	28
IRONTON		828 -	750 -	S -	x -	1.5 0.088	CiBo -	Creek to Black Hoof Lake	29
IRONTON	Alstead Mine	x -	- -	10 -	- -	- -	See Ironton - Feigh Mine	Mahnomen Lake -	30

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LINE No.	DRAIN-AGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	WL 23	x -	- -	x -	x x	x -	x -	*Part of Hull-Rust group of mines.	
2	WL 23	x -	- -	x -	x x	x -	x -		
3	WL 23	- -	- -	- -	- -	x -	- -		
4	WL 23	x -	- -	x -	x x	x -	x -		
5	WL 23	x -	- -	x -	x x	x -	x -		
6	WL 23	x -	- -	x -	x x	x -	x -		
7	WL 23	x -	- -	x -	x x	x -	x -		
8	MR 7	BS84.7-30-32	x x	x -	x x	0 -	CH -		
9	UM 5	x -	x x	x -	x x	*0 -	cfhj -	*Plans in preparation, 1953.	
10	UM 4	x -	x x	x -	x x	7 -	CH -		
11	UM 3	x -	x x	x -	x x	*0 -	cH -	*Plans approved for treatment plant.	
12	UM 3	x -	x x	x -	x x	4 -	cH -		
13	MR 7	BS84.7-130 -	x x	x -	x x	7 -	CH -	*Includes 150 P.E. Industrial Waste	
14	UM 6	- -	- -	- -	- -	- -	- -		
15	UM 6	x -	x x	x -	x x	7 -	J -		
16	UM 6	x -	x x	x -	x x	2 -	CFH -		
17	UM 3	x -	x x	x -	x x	7 -	CH -		
18	WL 23	- -	x x	- -	- -	7 -	BCFHIJK -		
19	UM 3	x -	x x	x -	x x	1 -	cfH -		
20	UM 3	x -	x x	x -	x x	0 -	cfh -		
21	UM 3	x -	x x	x -	x x	0 -	cfh -		
22	UM 2	x -	x x	x -	x x	7 -	ABCEFHK -	*Includes 2,000 Industrial Waste.	
23	UM 2	x -	x x	x -	x x	2 -	abcefhk -		
24	UM 3	- -	- -	- -	- -	- -	- -		
25	UM 3	- -	- -	- -	- -	x -	x -		
26	UM 3	- -	- -	- -	- -	x -	x -		
27	UM 3	x -	- -	x -	x x	x -	x -		
28	WL 23	x -	x x	x -	x x	0 -	x -		
29	UM 3	x -	x x	x -	x x	1 -	cH -		
30	UM 3	- -	- -	- -	- -	- -	- -		

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						Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	
1		2	3	4	5	6	7	8	
IRONTON	Armour No. 1 Mine	x -	- -	10 -	3.5 -	- -	None -	Serpent Creek -	1
IRONTON *	Feigh Mine	x -	- -	10 -	0.65 -	- 0.65	Lp(Sedimentation) -	Mahnomen Lake -	2
IRONTON	Hillcrest South Mine	x -	- -	10 -	- -	- -	See Ironton - Feigh Mine	Mahnomen Lake -	3
IRONTON	Huntington Mine	x -	- -	10 -	- -	- -	See Ironton - Feigh Mine	Mahnomen Lake -	4
IRONTON	Mahnomen Mine	x -	- -	10 -	x -	- -	None -	Serpent Creek -	5
IRONTON	Mahnomen (Mangan #2) Mine	x -	- -	10 -	x -	- -	None -	Serpent Creek -	6
IRONTON	Pennington Concentrating Plant	x -	- -	10 A	3.4 -	- 3.4	Lp, 11 -	Serpent Creek -	7
IRONTON	Pennington Mine	x -	- -	10 -	x -	- -	None -	Serpent Creek -	8
ISLE		674 -	560 -	S -	x -	0.6 0.036	ShCpDpBo -	Swamp to Knife River	9
IVANHOE		682 -	540 -	S -	x -	- -	None -	Yellow Medicine River	10
JACKSON		3,313 -	2,500 -	S -	x -	- -	None -	Des Moines River -	11
JANESVILLE		1,287 -	1,200 -	S -	x -	1.6 0.096	CiBo -	Le Sueur River -	12
JANESVILLE	Janesville Creamery Assn.	x -	- -	20 JL	0.01 -	- -	None -	Elysian Lake Outlet	13
JASPER		840 -	755 -	S -	x -	*1.88 0.10	ShCmFtCmEcgDcpBo -	Split Rock Creek -	14
JASPER	Jasper Creamery & Meat Market	x -	- -	20 FL	x -	- -	None -	Split Rock Creek -	15
JORDAN		1,494 -	1,300 -	S -	x -	1.66 0.1	CiBo -	Sand Creek -	16
JUDSON	Judson Co-op. Creamery	x -	- -	20 L	0.004 -	- -	None -	Minnesota River -	17
KANDIYOHI		293 -	240 -	S -	x -	0.41 0.021	ShCiFtrCmEchBo -	South Fork of Crow River	18
KASSON		1,353 -	1,325 -	S -	0.18 -	3.9 0.35	SmCmFthrCm EcgDcrHoBo	Cr. to S. Middle Br. of Zumber R.	19
KEEWATIN		1,807 -	1,900 -	C -	x -	1.3 0.2	ShcGpCpFtrCpEcBo -	O'Brien Creek -	20
KEEWATIN	Bennett Mine	x -	- -	10 -	- -	- -	See Keewatin-Bennett Washing Plant	Keewatin Creek -	21
KEEWATIN *	Bennett Washing Plant	x -	- -	10 A	2.0 -	- 2.0	11, Lp (Sedimentation)	Keewatin Creek -	22
KEEWATIN *	Carlz Concentrating Plant	x -	- -	10 A	6.05 -	- 8.8	Lp, 11 -	West Swan River -	23
KEEWATIN	Carlz No. 2 Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	24
KEEWATIN *	Mesabi Chief Conc. Plant	x -	- -	10 A	7.2 -	- 7.2	Lp 11 -	Swan Lake -	25
KEEWATIN	Mesabi Chief Mine	x -	- -	10 -	- -	- -	See Keewatin-Mesabi Chief Conc. Plant	Swan Lake -	26
KEEWATIN	Mississippi No. 1 Mine	x -	- -	10 -	x -	- x	x -	O'Brien Creek -	27
KEEWATIN	Mississippi No. 3 Mine	x -	- -	10 -	- -	- -	See Keewatin-Mesabi Chief Conc. Plant	Swan Lake -	28
KEEWATIN *	Perry Concentrating Plant	x -	- -	10 A	2.6 -	- 2.6	Lp -	O'Brien Brook -	29
KEEWATIN	St. Paul Concentrating Plant	x -	- -	10 A	1.4 -	- 1.4	Lp -	Keewatin Creek -	30

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LINE No.	DRAIN-AGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 3	x -	- -	x -	x x	x -		x -		
2	UM 3	- -	- -	- -	- -	x -		x -		
3	UM 3	- -	- -	- -	- -	- -		- -		
4	UM 3	- -	- -	- -	- -	- -		- -		
5	UM 3	x -	- -	x -	x x	x -		x -		
6	UM 3	x -	- -	x -	x x	x -		x -		
7	UM 3	x -	- -	x -	x x	x -		x -		
8	UM 3	x -	- -	x -	x x	x -		x -		
9	UM 3	x -	x x	x -	x x	4 -		x -		
10	UM 4	x -	x x	x -	x x	*0 -	ch	 -	*Plans approved for treatment plant.	
11	UM 11	x -	x x	x -	x x	0 -	cfh	 -		
12	UM 4	x -	x x	x -	x x	*4 -	ch	 -	*Plans approved for replacement plant.	
13	UM 4	x -	x x	x -	x x	0 -	ch	 -		
14	MR 7	BS143.2-32 -	x x	x -	x x	7 -	CH	 -	*Includes 880 Industrial Waste.	
15	MR 7	BS143.2-32 -	150 150	x -	x x	0 -		x -		
16	UM 4	x -	x x	x -	x x	2 -	CH	 -		
17	UM 4	x -	x 56E	x -	x x	7 -	cFH	 -		
18	UM 3	x -	x x	x -	x x	7 -	cH	 -		
19	UM 6	x -	x x	x -	x x	7 -	CH	 -		
20	UM 3	x -	x x	x -	x x	5 -	ch	 -		
21	UM 3	- -	- -	- -	- -	- -		- -		
22	UM 3	x -	- -	x -	x x	x -		x -		
23	WL 23	x -	- -	x -	x x	x -		x -		
24	WL 23	- -	- -	- -	- -	- -		- -		
25	UM 3	- -	- -	- -	- -	7 -		x -		
26	UM 3	- -	- -	- -	- -	- -		- -		
27	UM 3	x -	- -	x -	x x	x -		x -		
28	UM 3	- -	- -	- -	- -	- -		- -		
29	UM 3	x -	- -	x -	x x	x -		x -		
30	UM 3	x -	- -	x -	x x	x -		x -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
KEEWATIN	St. Paul Mine	x -	- -	10 -	x -	- -	None -	Keewatin Creek -	1
KEEWATIN	St. Paul-Day Mine	x -	- -	10 -	2.2 -	- -	None -	Keewatin Creek -	2
KEEWATIN *	Sargent Concentrating Plant	x -	- -	10 A	0.72 -	- 0.72	Lp -	O'Brien Brook -	3
KEEWATIN	Sargent Mine	x -	- -	10 -	- -	- -	See Keewatin - Sargent Conc. Plant	O'Brien Brook -	4
KEEWATIN *	Section 18 Concentrating Plant	x -	- -	10 A	5.0 -	- 5.0	Lp, 11 -	Keewatin Creek -	5
KEEWATIN	Section 18 Mine	x -	- -	10 -	- -	- -	See Keewatin - Section 18 Conc. Plt	Keewatin Creek -	6
KEEWATIN	Stein Mine	x -	- -	10 -	- -	- -	See Keewatin-Mesabi Chief Conc. Plant	Swan Lake -	7
KELLIHER		336 -	180 -	S -	x -	0.9 0.054	CiBo -	South Branch of Battle River	8
KELLY LAKE		- 664-1	600 -	S -	x -	x x	CiFtrCmEcBo -	Kelly Lake to West Swan River	9
KELLY LAKE	Morton Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	10
KELLY LAKE	Nordine Mine	x -	- -	10 -	x -	- x	x -	x -	11
KENNEDY		480 -	300 -	S -	x -	- -	None -	Cr. to Red River of the North	12
KENSINGTON		354 -	318 -	S -	x -	0.95 0.06	ShCiFthCpEchBo -	Slough to Chippewa River	13
KENYON		1,651 -	1,400 -	S -	x -	6.27 0.24	ShSfFt1hCmFt2hCm EcgZiB	North Branch of Zumbro River	14
KENYON	Goodhue Canning Co.	x -	- -	20 C	0.17 -	20 0.25	SfL -	Zumbro River -	15
KERR LOCATION		- x	200 -	S -	x -	x x	CiBo -	West Swan River -	16
KETTLE RIVER		223 -	200 -	S -	x -	0.50 0.045	ShCiBo -	Kettle River -	17
KIMBAL PRAIRIE		479 -	425 -	S -	x -	*1.9 0.12	ShCpFthCmEchZiB -	Ditch to Clearwater River	18
KINNEY		336 -	420 -	S -	x -	1.4 0.084	CiBo -	Creek to McQuade River	19
KINNEY	Atkins Mine St. Lease (2066)	x -	- -	10 -	x -	- x	x -	McQuade River -	20
KINNEY	Dormer Mine	x -	- -	10 -	x -	- x	x -	McQuade River -	21
KINNEY	Forsyth Mine	x -	- -	10 -	x -	- x	x -	McQuade River -	22
KINNEY *	Midway Mine	x -	- -	10 -	0.29 -	- 0.29	Lp(Sedimentation) -	McQuade River -	23
KINNEY	Seville Mine	x -	- -	10 -	- -	- -	See Kinney - Midway Mine	McQuade River -	24
KINNEY	Wade Mine	x -	- -	10 -	x -	- x	x -	x -	25
LA CRESCENT		1,229 -	700 -	S -	x -	0.815 0.675	ShCmFtrCmEchDcrBo -	Mississippi River -	26
LAFAYETTE		438 -	360 -	S -	x -	- -	None -	South Branch of Rush River	27
LAKE BENTON		863 -	900 -	S -	x -	1.0 0.06	CiBo -	Flandreau Creek -	28
LAKE BENTON	Tyler Cement Tile and Silo Works	x -	- -	14 -	.12E P	- 0.12	Le -	Land -	29
LAKE CITY		3,457 -	3,000 -	S -	x -	4.0 0.36	Sh[CmCp]EhcDcrBo -	Mississippi River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	15 of 28

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 3	x -	- -	x -	x x	x -	x -		
2	UM 3	x -	- -	x -	x x	x -	x -		
3	UM 3	x -	- -	x -	x x	x -	x -		
4	UM 3	- -	- -	- -	- -	- -	- -		
5	UM 3	x -	- -	x -	x x	x -	x -		
6	UM 3	- -	- -	- -	- -	- -	- -		
7	UM 3	- -	- -	- -	- -	- -	- -		
8	UM 1	x -	x x	x -	x x	5 -	CfHj -		
9	WL 23	- -	x x	- -	- -	x -	x -		
10	WL 23	- -	- -	- -	- -	- -	- -		
11	WL 23	x -	- -	x -	x x	x -	x -		
12	UM 1	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
13	UM 4	x -	x x	x -	x x	x -	x -		
14	UM 6	x -	x x	x -	x x	7 -	CH -		
15	UM 6	x -	x x	x -	x x	x -	x -		
16	WL 23	x -	x x	x -	x x	5 -	FHiJ -		
17	UM 5	x -	x x	x -	x x	x -	x -		
18	UM 3	x -	x x	x -	x x	7 -	CH -	*Includes 1,200 Industrial Waste.	
19	WL 23	x -	x x	x -	x x	2 &5	ceH -		
20	WL 23	x -	- -	x -	x x	x -	x -		
21	WL 23	x -	- -	x -	x x	x -	x -		
22	WL 23	x -	- -	x -	x x	x -	x -		
23	WL 23	x -	- -	x -	x x	x -	x -		
24	WL 23	- -	- -	- -	- -	- -	- -		
25	WL 23	x -	- -	x -	x x	x -	x -		
26	UM 6	x -	x x	x -	x x	7 -	BCFHIJK -		
27	UM 4	x -	x x	x -	x x	0 -	ch -		
28	MR 7	BS252-31 -	1,070 755	x -	x x	2 -	CH -		
29	MR 7	- -	Inorganic Inorganic	- -	- -	7 -	- -		
30	UM 6	x -	x x	x -	x x	5 -	BCfHiJK -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	16 of 28

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
LAKE CRYSTAL		1,430 -	1,100 -	S -	x -	2.7 0.135	ShCmFthCmEcDchrBo -	Lily Lake -	1
LAKEFIELD		1,651 -	1,500 -	S -	x -	3.4 0.27	ShSfFthCpFthCmEcg ZciBo	Heron Lake -	2
LAKE HENRY		97 -	60 -	S -	x -	0.18 0.016	CiFtCp -	Creek to Sauk River	3
LAKELAND	Stokely Van Camp Inc.	x -	- -	20 C	0.13 -	x x	Sfm -	St. Croix River -	4
LAKE PARK		689 -	600 -	S -	x -	1.0 0.08	ShCiFtnCpE Bo -	Creek to Buffalo River	5
LAKE PARK	Sunnyside Sanitarium	- 75-9	60 -	S -	x -	x x	CiF Bo -	Creek to Buffalo River	6
LAKEVILLE		628 -	490 -	S -	x -	0.85 0.05	ShCiFtrCpBo -	Creek to Vermilion River	7
LAKE WILSON		434 -	400 -	S -	x -	0.6 0.06	Lo -	Soil absorption to Beaver Creek	8
LAMBERTON		1,208 -	800 -	S -	x -	- -	None -	Dutch Charlie Creek	9
LANCASTER		536 -	400 -	S -	x -	0.3 x	CiBo -	North Fork of Two Rivers	10
LANESBORO		1,100 -	1,000 -	S -	x -	1.6 0.096	ShCmFtrCmEgcDcrBo -	South Branch of Root River	11
LANGDON	Minn. Mining and Manufacturing Co.	x -	- -	28 B	x -	- -	10 -	Mississippi River -	12
LAUDERDALE		1,033 -	(930) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	13
LE CENTER		1,314 -	730 -	S -	x -	0.83 0.05	CiBo -	Le Sueur Creek -	14
LEONIDAS		88 -	x -	S -	x -	x x	CiBo -	Creek to St. Louis River	15
LEONIDAS	Leonidas Mine	x -	- -	10 -	1.4 -	- -	None -	Three Mile Lake -	16
LE ROY		959 -	670 -	S -	x -	- -	None -	Upper Iowa River -	17
LESTER PRAIRIE		663 -	580 -	S -	x -	*1.9 0.12	ShCi**FthCmEchBo -	Crow River -	18
LESTER PRAIRIE	McLeod Wright Creamery Co., Inc.	x -	- -	20 IJL	0.05E P	x x	Ic -	Land -	19
LE SUEUR		2,713 -	2,250 -	S -	x -	- -	None -	Minnesota River -	20
LE SUEUR	Green Giant Co.	x -	- -	20 C	0.9 -	x x	Sf -	Minnesota River -	21
LEWISTON		786 -	700 -	S -	x -	1.0 0.064	ShCmFtrCpEgcDcrBo -	Rush Creek to Root River	22
LEWISVILLE		362 -	270 -	S -	x -	- -	None -	North Fork of Watonwan River	23
LINDSTROM *		729 -	1,200 -	S -	x -	3.3 0.17	ShSfFt1hCmFt2hCm EcgZiB	Mud Lake to Sunrise River	24
LITCHFIELD		4,608 -	3,900 -	S -	x -	11.66 0.75	ScCmFtnCmEgcDfrH Bo -	Jewett Creek -	25
LITCHFIELD	Litchfield Woolen Mills Company	x -	- -	22 ACHIJ	0.05E P	x x	Cm (To Litchfield Plant)	Jewett Creek -	26
LITTLE FALLS		6,717 -	5,800 -	C -	x -	- -	None -	Mississippi River -	27
LITTLE FALLS	Camp Ripley	- x	x -	S -	x -	8.0 1.2	CmFt CmEgcDcBo -	Mississippi River -	28
LITTLE FORK		671 -	550 -	S -	x -	0.38 0.03	CiBo -	Little Fork River -	29
LITTLE FALLS	Hennepin Paper Company	x -	- -	26 ACG	6.0E P	x x	6 -	Mississippi River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	16 of 28

LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	-	x	-	-	2	CH			
	4	-	x	-	-	-		-		
2	UM	-	x	-	-	5	cfh			
	11	-	x	-	-	-		-		
3	UM	x	x	x	x	x		x		
	3	-	x	-	x	-		-		
4	UM	x	x	x	x	*4	cfhij		*Plans approved for waste irrigation system.	
	5	-	x	-	x	-		-		
5	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
6	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
7	UM	x	x	x	x	2	ch			
	6	-	x	-	x	-		-		
8	UM	x	x	x	x	7	CHE			
	11	-	x	-	x	-		-		
9	UM	x	x	x	x	0	ch			
	4	-	x	-	x	-		-		
10	UM	x	x	x	x	2	ch			
	1	-	x	-	x	-		-		
11	UM	x	x	x	x	5	CFH			
	6	-	x	-	x	-		-		
12	UM	x	x	x	x	7	ABCFHKL			
	6	-	x	-	x	-		-		
13	UM	-	-	-	-	-		-		
	6	-	-	-	-	-		-		
14	UM	x	x	x	x	*4	ch		*Plans approved for replacement plant.	
	4	-	x	-	x	-		-		
15	WL	x	x	x	x	x		x		
	23	-	x	-	x	-		-		
16	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
17	UM	x	x	x	x	0	ch			
	6	-	x	-	x	-		-		
18	UM	x	x	x	x	7	CH		*Includes 4/0 Industrial Waste. **Spirogester.	
	3	-	x	-	x	-		-		
19	UM	-	-	-	-	x		-		
	3	-	0	-	-	-		-		
20	UM	x	x	x	x	0	cfhK			
	4	-	2.962E	-	x	-		-		
21	UM	x	x	x	x	1	cfhk			
	4	-	67.000E	-	x	-		-		
22	UM	x	x	x	x	5	ch			
	6	-	x	-	x	-		-		
23	UM	x	x	x	x	*0	CH		*Plans approved for treatment plant.	
	4	-	x	-	x	-		-		
24	UM	-	x	-	-	x		x		
	5	-	x	-	-	-		-		
25	UM	x	x	x	x	7	cH			
	3	-	x	-	x	-		-		
26	UM	-	x	-	-	-		-		
	3	-	-	-	-	-		-		
27	UM	x	x	x	x	0		x		
	3	-	x	-	x	-		-		
28	UM	x	x	x	x	7	BCFHIJ			
	3	-	x	-	x	-		-		
29	UM	x	x	x	x	7		x		
	2	-	x	-	x	-		-		
30	UM	x	x	x	x	7	CHI			
	3	-	x	-	x	-		-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	17 of 28

COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
LOMAN	Loman Co-op. Creamery	x -	- -	20 L	x -	x x	x -	Rainy River -	1
LONG PRAIRIE		2,443 -	2,000 -	S -	x -	5.1 0.2	ScCmFthCmEcZcBo -	Long Prairie River	2
LONG PRAIRIE	Long Prairie Rendering Co.	x -	- -	20 P	0.045 -	0.192 0.045	0 CsIp -	Long Prairie River	3
LOWRY		285 -	250 -	S -	x -	- -	None -	Ditch to Little Chippewa River	4
LUVERNE		3,650 -	2,100 -	S -	x -	*6.4 0.5	ScGmCmFthCmEcgDcrBo -	Rock River -	5
LYLE		609 -	460 -	S -	x -	- -	None -	Otter Creek -	6
McINTOSH		881 -	820 -	S -	x -	1.0 0.08	ShCiFtrCpEgcB -	Poplar River -	7
McKINLEY		196 -	210 -	S -	x -	x 0.04	CiBo -	McKinley Creek -	8
McKINLEY	Corsica Concentrating Plant	x -	- -	10 A	x -	- x	x -	McKinley Creek -	9
McKINLEY	Corsica Mine	x -	- -	10 -	x -	- x	x -	McKinley Creek -	10
MABEL		788 -	650 -	S -	x -	1.0 0.068	ShCiFthCpEgcBo -	Riceford Creek -	11
MADELIA		1,790 -	1,300 -	S -	x -	*5.9 0.28	ShCiCmFthCmEcDcrBo -	Wantonwan River -	12
MADISON		2,303 -	2,050 -	S -	x -	3.2 0.2	ShCmFtrCmEcgDfrBo -	Lac qui Parle River	13
MAHNOMEN		1,464 -	1,400 -	S -	x -	- -	None -	Wild Rice River -	14
MAHONING LOCATION		- x	225 -	S -	x -	x x	Cp -	West Swan River -	15
MANKATO		18,809 -	13,000 -	C -	3.5E -	*72.5 5.8	SgGmCmEcgDfhrHcLsBo -	Minnesota River -	16
MANKATO	Blue Cross Rendering Co.	x -	- -	20 P	x -	0.12 0.015	0 CpIp -	Minnesota River -	17
MAPLE LAKE		780 -	570 -	C -	x -	0.5 0.035	CiBo -	Ramsey Lake -	18
MAPLE PLAIN		479 -	430 -	S -	x -	1.0 0.09	SmCmFt CpEchDcrBoL -	Painter Creek to Lake Minnetonka	19
MAPLETON		1,083 -	950 -	C -	x -	0.5 0.032	CiBo -	Cobb River -	20
MAPLEVIEW		435 -	(392) -	S -	- -	- -	See Austin -	Cedar River -	21
MARBLE		867 -	720 -	S -	x -	1.5 0.9	CiBo -	Pinacle Lake Outlet	22
MARBLE	Delaware No. 2 Mine	x -	- -	10 -	x -	- -	None -	Pinacle Lake Outlet	23
MARBLE	Gross-Marble Conc. Plant	x -	- -	10 A	x -	- x	Lp(Sedimentation) -	Pinacle Lake Outlet	24
MARBLE	Gross-Marble Mine	x -	- -	10 -	x -	- x	Lp(Sedimentation) -	Pinacle Lake Outlet	25
MARBLE	Hill-Trumbull Conc. Plant	x -	- -	10 A	x -	- x	Lp -	Pinacle Lake Outlet	26
MARBLE	Hill-Trumbull (Hill) Mine	x -	- -	10 -	x -	- -	None -	Pinacle Lake Outlet	27
MARBLE	Hill-Trumbull (Trumbull) Mine	x -	- -	10 -	x -	- -	None -	Pinanie Lake Outlet	28
MARBLE	Hill-Trumbull (Walker) Mine	x -	- -	10 -	x -	- -	None -	Pinacle Lake Outlet	29
MARSHALL		5,923 -	4,000 -	S -	x -	5.0 0.3	ShCiFtnCpEgBo -	Redwood River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	17 of 28

LINE No.	DRAIN-AGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM 2	x -	x x	x -	x x	x -	x -		
2	UM 3	x -	x x	x -	x x	5 -	cH -		
3	UM 3	x -	x x	x -	x x	2 -	cH -		
4	UM 4	x -	x x	x -	x x	0 -	ch -		
5	MR 7	BS84.7-70 -	x x	x -	x x	7 -	CH -	*Includes 1,800 Industrial Waste.	
6	UM 10	x -	x x	x -	x x	0 -	c -		
7	UM 1	x -	x x	x -	x x	5 -	CH -		
8	WL 23	x -	x x	x -	x x	2 -	x -		
9	WL 23	x -	- -	x -	x x	x -	x -		
10	WL 23	x -	- -	x -	x x	x -	x -		
11	UM 6	x -	x x	x -	x x	5 -	CH -		
12	UM 4	x -	x x	x -	x x	7 -	CH -	*Includes 3,700 Industrial Waste.	
13	UM 4	x -	x x	x -	x x	7 -	CH -		
14	UM 1	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant	
15	WL 23	x -	x x	x -	x x	5 -	FHiJ -		
16	UM 4	x -	x x	x -	x x	7 -	CEFHK -	*Includes 46,700 Industrial Waste.	
17	UM 4	x -	x 750E	x -	x x	5 -	cEfHK -		
18	UM 3	- -	x x	- -	- -	4 -	cH -		
19	UM 3	x -	x x	x -	x x	x -	x -		
20	UM 4	x -	x x	x -	x x	1 -	cH -		
21	UM 10	- -	- -	- -	- -	- -	- -		
22	UM 3	x -	x x	x -	x x	2 -	CH -		
23	UM 3	x -	- -	x -	x x	x -	x -		
24	UM 3	x -	- -	x -	x x	x -	x -		
25	UM 3	x -	- -	x -	x x	x -	x -		
26	UM 3	x -	- -	x -	x x	x -	x -		
27	UM 3	x -	- -	x -	x x	x -	x -		
28	UM 3	x -	- -	x -	x x	x -	x -		
29	UM 3	x -	- -	x -	x x	x -	x -		
30	UM 4	x -	x x	x -	x x	1 A5	cH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
MINNESOTA	1957	18 of 28

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
MARSHALL	Marshall Rendering Co.	x -	- -	20 P	0.066 -	0.2 0.066	O CpIp -	Redwood River -	1
MAYNARD		507 -	450 -	S -	x -	1.3* 0.094	ShCiFthCmEchBo -	Hawk Creek -	2
MAZEPPA		523 -	500 -	S -	x -	- -	None -	North Branch of Zumbro River	3
MEADOWLANDS		134 -	120 -	S -	x -	x 0.013	CsBo -	Creek to Whiteface River	4
MEADOWLANDS	Meadowlands Cheese Factory	x -	- -	20 I	x -	x x	Cp -	Whiteface River -	5
MELROSE		2,106 -	1,800 -	S -	x -	- -	None -	Sauk River -	6
MENAHGA		849 -	765 -	S -	x -	1.8 0.18	ShCmFthCmEcgDcrBo -	Blueberry River -	7
MESABA	Knox Mine	x -	- -	10 -	2.88 -	- -	None -	Knox Creek -	8
MESABA TOWNSHIP (St. Louis County)	Graham Mine	x -	- -	10 -	x -	- 3.6	Lp(Sedimentation) 11	Creek to Partridge River	9
MESABA TOWNSHIP * (St.Louis Co.)	Wentworth Concentrating Plant	x -	- -	10 A	2.88 -	- 2.88	Lp 11 -	Creek to Partridge River	10
MESABA TOWNSHIP (St. Louis County)	Wentworth #1 Mine	x -	- -	10 -	- -	- -	See Mesaba Township-Wentworth Conc. Plt.	Creek to Partridge River	11
MESABA TOWNSHIP (St. Louis County)	Wentworth #2 Mine	x -	- -	10 -	- -	- -	See Mesaba Township-Wentworth Conc. Plt.	Creek to Partridge River	12
MILACA		1,917 -	1,500 -	S -	x -	- -	None -	Rum River -	13
MILACA	Mille Lacs Sand & Gravel Company	x -	- -	14 -	0.19E P	- 0.19	C -	Rum River -	14
MILTONA		150 -	135 -	S -	x -	0.47 0.04	ShCiFt CpEchBo -	Ditch to Long Prairie River	15
MINNEAPOLIS		521,718 -	(492,370) -	C -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	16
MINNEAPOLIS ST. PAUL S.D. *		- -	800,000 -	C -	145. -	910.0 134.0	SmGrKa CmFmEgZcVvXn -	Mississippi River -	17
MINNEOTA		1,274 -	950 -	S -	x -	3.0 0.150	SfGhFtlhCmEcgZc3 -	S. Br. of Yellow Medicine River	18
MINNESOTA LAKE		609 -	470 -	S -	x -	1.3 0.085	SchCmFthCmEchDcpBo -	Cobb River -	19
MONROE LOCATION		- x	400 -	S -	x -	x x	CiBo -	East Swan River -	20
MONTEREY	Monterey Rendering Co.	x -	- -	20 P	0.022 -	0.062 0.022	O CpIp -	Elm Creek & Land -	21
MONTEVIDEO		5,459 -	4,700 -	S -	x -	8.0 0.45	ShG CmFtnCpDerBo -	Chippewa River -	22
MONTEVIDEO	Montevideo Co op Canning Assn.	x -	- -	20 C	0.15 -	- -	None -	Chippewa River -	23
MONTGOMERY		1,913 -	840 -	S -	x -	2.1 0.126	CiBo -	Sand Creek to Lake Pepen	24
MONTGOMERY	Green Giant Canning Co.	x -	- -	20 C	0.95 -	70. 0.95	SfIc -	Land -	25
MONTICELLO		1,231 -	1,000 -	S -	x -	- -	None -	Mississippi River -	26
MONTROSE		300 -	240 -	C -	x -	- -	None -	Drainage Ditch to Crow River	27
MOORHEAD *		14,870 -	10,560 -	C -	1.9 -	40.0 1.58	SmSfGmFthCmFtnCm EcgHcZilVv	Red River -	28
MOORHEAD	American Crystal Sugar Co.	x -	- -	20 A	6.0 -	150.0 6.0	L -	Red River -	29
MOOSE LAKE		1,603 -	1,200 -	S -	x -	1.5 0.15	CmEgDrBo -	Moose River to Kettle River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 4	x -	x x	x -	x x	5 -	cH -		
2	UM 4	x -	x x	x -	x x	7 -	CH -	*Includes 300 P.E. Industrial wasts.	
3	UM 6	x -	x x	x -	x x	0 -	cfh -		
4	WL 23	x -	x x	x -	x x	2 -	ceH -		
5	WL 23	x -	x x	x -	x x	4 -	ceh -		
6	UM 3	x -	x x	x -	x x	0 -	ch -		
7	UM 3	x -	x x	x -	x x	x -	x -		
8	WL 23	x -	- -	x -	x x	x -	x -		
9	WL 23	x -	- -	x -	x x	x -	x -		
10	WL 23	x -	- -	x -	x x	x -	x -		
11	WL 23	- -	- -	- -	- -	- -	- -		
12	WL 23	- -	- -	- -	- -	- -	- -		
13	UM 3	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
14	UM 3	x -	x x	x -	x x	7 -	CH -		
15	UM 3	x -	x x	x -	x x	x -	x -		
16	UM 6	- -	- -	- -	- -	- -	- -		
17	UM 6	x -	x x	x -	x x	1 &2	BCfHIJK -		
18	UM 4	x -	x x	x -	x x	7 -	CH -		
19	UM 4	x -	x x	x -	x x	7 -	CH -		
20	WL 23	x -	x x	x -	x x	x -	ch -		
21	UM 4	x -	x x	x -	x x	5 -	cHj -		
22	UM 4	x -	x x	x -	x x	1 -	aCHJ -		
23	UM 4	x -	x x	x -	x x	0 -	achj -		
24	UM 4	x -	x x	x -	x x	4 -	x -		
25	UM 4	- -	x -	- -	- -	x -	- -		
26	UM 3	x -	x x	x -	x x	*0 -	cfhj -	*Plans approved for treatment plant.	
27	UM 3	x -	x x	x -	x x	0 -	ch -		
28	UM 1	x -	x x	x -	x x	1 -	aBCDHJ -		
29	UM 1	x -	x x	x -	x x	x -	x -		
30	UM 5	x -	x x	x -	x x	5 -	cFH -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
MOOSE LAKE	State Hospital	- 2.500-9	2,500 -	S -	x -	2.0 0.2	ShScCmAmCmEgcDcrBo -	Moose River to Kettle River	1
MORA		2,018 -	2,000 -	S -	0.26 -	14.8 0.5	SmCmAaCmEcg DcrTcHoBo	Snake River -	2
MORGAN		949 -	700 -	S -	x -	*2.0 0.13	ShCpFthCmEchZ1E -	Ditch C-109 -	3
MORNINGSIDE		1,699 -	(600) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	4
MORRIS		3,811 -	2,900 -	S -	x -	5.0 0.3	CiBo -	Pomme de Terre River	5
MORTON		794 -	400 -	S -	x -	1.1 0.11	ShCmFtrCpEgcDcpBo -	Minnesota River -	6
MOUNTAIN IRON		1,377 -	1,350 -	S -	x -	2.5 0.03	CiBo -	Creek to West Two Rivers	7
MOUNTAIN	South Grove Addition Plant	- -	x -	S -	x -	1.3 0.13	ShCmFtlhCmEcgDcrBo -	Creek to West Two Rivers	8
MOUNTAIN IRON	Hannah Mine	x -	- -	10 -	x -	- x	x -	Creek to East Two Rivers	9
MOUNTAIN IRON	Mott Mine	x -	- -	10 -	x -	- x	x -	x -	10
MOUNTAIN IRON *	Mountain Iron Conc. Plant	x -	- -	10 A	11.15 -	- 11.15	Lp -	West Two Rivers -	11
MOUNTAIN IRON	Mountain Iron Mine	x -	- -	10 -	- -	- -	See Mtn. Iron-Mtn. Iron Conc. Plant	West Two Rivers -	12
MOUNTAIN IRON	Pilot Mine	x -	- -	10 -	x -	- x	x -	x -	13
MOUNTAIN IRON	Pilot Annex Mine	x -	- -	10 -	x -	- x	x -	x -	14
MOUNTAIN IRON	Pilotac Taconite Plant	x -	- -	10 A	- -	- -	See Mtn. Iron-Mtn. Iron Conc. Plant	West Two Rivers -	15
MOUNTAIN IRON	Snively Mine	x -	- -	10 -	- -	- -	See Mtn. Iron. - Mtn Iron Conc. Plant	West Two Rivers -	16
MOUNTAIN IRON	Wacootah Mine	x -	- -	10 -	x -	- -	None -	Creek to West Two Rivers	17
MOUNTAIN IRON	Wheeling Mine	x -	- -	10 -	x -	- x	C -	Parkville Creek -	18
MOUNTAIN IRON TWP. (St. Louis County)	Pilotac Mine	x -	- -	10 -	x -	- x	x -	x -	19
MOUNTAIN LAKE		1,733 -	1,700 -	S -	x -	4.8 0.35	Lo -	Soil absorption & Mountain Lake Cr.	20
MUDBADEN	Mudbaden Sanitarium	- x	x -	S -	x -	- -	None -	Minnesota River -	21
NASHWAUK		2,029 -	2,000 -	C -	x -	- -	None -	Pickerel Creek -	22
NASHWAUK	Argonne Mine	x -	- -	10 -	- -	- -	See Keewatin-Perry Concentrating Plant	O'Brien Brook -	23
NASHWAUK	Galbraith Mine	x -	- -	10 -	- -	- -	See Keewatin-Perry Concentrating Plant	O'Brien Brook -	24
NASHWAUK	Halobe Mine	x -	- -	10 -	x -	- x	x -	Pickerel Creek -	25
NASHWAUK *	Hawkins Concentrating Plant	x -	- -	10 A	x -	- x	Lp -	No discharge - Closed system	26
NASHWAUK	Hawkins Mine	x -	- -	10 -	- -	- -	See Nashwauk-Hawkins Concentrating Plant	No discharge - Closed system	27
NASHWAUK	MacKillican Mine	x -	- -	10 -	- -	- -	See Nashwauk-Hawkins Concentrating Plant	No discharge - Closed system	28
NASHWAUK	North Harrison Mine	x -	- -	10 -	x -	- x	x -	Pickerel Creek -	29
NASHWAUK	Quinn Mine	x -	- -	10 -	x -	- x	x -	Pickerel Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS (12)	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM 5	x -	x x	x -	x x	7 -	CFH -		
2	UM 5	x -	x x	x -	x x	7 -	CFH -		
3	UM 4	x -	x x	x -	x x	7 -	CH -	*Includes 800 Industrial Waste	
4	UM 6	- -	- -	- -	- -	- -	- -		
5	UM 4	x -	x x	x -	x x	2 -	x -		
6	UM 4	x -	x x	x -	x x	4 -	cfH -		
7	WL 23	x -	x x	x -	x x	4 -	CFH -		
8	WL 23	x -	x x	x -	x x	7 -	CFH -		
9	WL 23	x -	- -	x -	x x	x -	x -		
10	WL 23	x -	- -	x -	x x	x -	x -		
11	WL 23	x -	- -	x -	x x	x -	x -		
12	WL 23	- -	- -	- -	- -	- -	- -		
13	WL 23	x -	- -	x -	x x	x -	x -		
14	WL 23	x -	- -	x -	x x	x -	x -		
15	WL 23	- -	- -	- -	- -	- -	- -		
16	WL 23	- -	- -	- -	- -	- -	- -		
17	WL 23	x -	- -	x -	x x	x -	x -		
18	WL 23	x -	x x	x -	x x	2 -	x -		
19	WL 23	x -	- -	x -	x x	x -	x -		
20	UM 4	x -	x x	x -	x x	7 -	CH -		
21	UM 4	x -	x 605	x -	x x	0 -	cfHJK -		
22	UM 3	x -	x x	x -	x x	0 -	cfh -		
23	UM 3	- -	- -	- -	- -	- -	- -		
24	UM 3	- -	- -	- -	- -	- -	- -		
25	UM 3	x -	- -	x -	x x	x -	x -		
26	UM 3	- -	- -	- -	- -	x -	- -		
27	UM 3	- -	- -	- -	- -	- -	- -		
28	UM 3	- -	- -	- -	- -	- -	- -		
29	UM 3	x -	- -	x -	x x	x -	x -		
30	UM 3	x -	- -	x -	x x	x -	x -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
NASHWAUK	York Concentrating Plant	x -	- -	10 A	- -	- -	See Nashwauk-Hawkins Concentrating Plant	No discharge - Closed system	1
NASHWAUK	York Mine	x -	- -	10 -	- -	- -	See Nashwauk-Hawkins Concentrating Plant	No discharge - Closed system	2
NASHWAUK TOWNSHIP (Itasca County)	Bray Mine	x -	- -	10 -	- -	- -	See Keewatin-Mesabi Chief Conc. Plant	Swan Lake -	3
NASHWAUK TOWNSHIP (Itasca County)	Gordon Mine	x -	- -	10 -	- -	- -	See Keewatin-Mesabi Chief Conc. Plant	Swan Lake -	4
NASHWAUK TOWNSHIP (Itasca County)	Perry Mine	x -	- -	10 -	- -	- -	See Keewatin -Perry Concentrating Plant	O'Brien Brook -	5
NASHWAUK TOWNSHIP (Itasca County)	Wyman Mine	x -	- -	10 -	- -	- -	See Keewatin-Perry Concentrating Plant	O'Brien Brook -	6
NEW BRIGHTON		2,218 -	(2,000) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	7
NEW BRIGHTON	Harry Menglecock Co.	x -	- -	20 P	0.044 -	- -	None -	Rice Creek -	8
NEW BRIGHTON	Minneapolis Hide & Tallow Co.	x -	- -	20 P	0.043 -	- -	None -	Rice Creek -	9
NEW BRIGHTON	Minnesota Rendering Co.	x -	- -	20 P	0.15 -	- -	None -	Rice Creek -	10
NEW BRIGHTON	VanHoven Co., Inc.	x -	- -	20 P	0.043 -	- -	None -	Rice Creek -	11
NEW LONDON		726 -	650 -	S -	x -	2.1* 0.129	ShCmDcpEgBo -	Middle Fork Crow River	12
NEWPORT	Cudahy Packing Co.	x -	- -	20 EF	2.0 -	108. 1.5	G KmxCmFthCmEgcL -	Mississippi River -	13
NEW PRAGUE		1,915 -	1,500 -	S -	x -	1.4 0.084	CiBo -	Creek to Sand Creek	14
NEW PRAGUE	International Milling Co.	x -	- -	20 x	x -	- -	None -	Sand Creek -	15
NEW RICHLAND		908 -	780 -	S -	x -	1.8 0.1	SmCmFtrCmEgcDcrBo -	Le Sueur River -	16
NEW ULM		9,348 -	7,900 -	C -	x -	7.0 0.5	SmCmFthCmFmEgcDcrBo -	Minnesota River -	17
NEW ULM	John Hauenstein Brewery	x -	- -	20 M	x -	- -	None -	Minnesota River -	18
NEW ULM	New Ulm Rendering Co.	x -	- -	20 P	0.043 -	0.12 0.043	O CpFt -	Minnesota River -	19
NEW ULM	Wallker Const. Company	x -	- -	14 -	0.15E P	- 0.15	C -	Closed system No discharge	20
NEW YORK MILLS		977 -	700 -	S -	x -	0.81 0.05	ShCiFtrCpBo -	Willow Creek -	21
NORTH BRANCH		769 -	680 -	S -	x -	- -	None -	North Branch of Sunrise River	22
NORTHFIELD		7,487 -	7,500 -	S -	0.83 -	16.5 1.1	[SmGp]CmFthr CmEcgDcfhrtBo	Cannon River -	23
NORTHOME		349 -	140 -	S -	x -	x x	CiBo -	South Branch of Battle River	24
NORTH MANKATO		4,788 -	4,040 -	S -	x -	- -	None -	Minnesota River -	25
NORTH REDWOOD FALLS	Redwood Falls Rendering Co.	x -	- -	20 P	0.045 -	0.2 0.045	O Cp -	Minnesota River -	26
NORTH ST. PAUL		4,248 -	(3,800) -	S -	x -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	27
NORWOOD		749 -	500 -	S -	x -	0.66 0.04	SfAmCpDepBo -	Vevens Creek -	28
OAK TERRACE	Glen Lake Sanitarium	- 700-9	700 -	S -	x -	x 0.2	CiAmCmEgcBo -	Swamp to Nine Mile Creek	29
OGILVIE		362 -	326 -	S -	x -	1.6* 0.095	ShCmFthCmEcgDcpBo -	Groundhouse River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 3	- -	- -	- -	- -	- -	- -		
2	UM 3	- -	- -	- -	- -	- -	- -		
3	UM 3	- -	- -	- -	- -	- -	- -		
4	UM 3	- -	- -	- -	- -	- -	- -		
5	UM 3	- -	- -	- -	- -	- -	- -		
6	UM 3	- -	- -	- -	- -	- -	- -		
7	UM 6	- -	- -	- -	- -	- -	- -		
8	UM 3	x -	x x	x -	x x	0 -	cfHj -		
9	UM 3	x -	x x	x -	x x	0 -	cfHj -		
10	UM 3	x -	x x	x -	x x	0 -	cfHj -		
11	UM 3	x -	x x	x -	x x	0 -	cfHj -		
12	UM 3	x -	x x	x -	x x	7 -	CH -	*Includes 1,000 P.E. Industrial Waste	
13	UM 6	x -	x x	x -	x x	1 -	BCfHiJK -		
14	UM 4	x -	x x	x -	x x	4 -	ch -		
15	UM 4	x -	x x	x -	x x	0 -	ch -		
16	UM 4	x -	x x	x -	x x	5 -	cH -		
17	UM 4	x -	x x	x -	x x	5 -	CFH -		
18	UM 4	x -	x x	x -	x x	0 -	CFH -		
19	UM 4	x -	x x	x -	x x	5 -	cFH -		
20	UM 4	- -	- -	- -	- -	x -	- -		
21	UM 1	x -	x x	x -	x x	5 -	BcFH -		
22	UM 5	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
23	UM 6	x -	x x	x -	x x	7 -	CH -		
24	UM 1	x -	x x	x -	x x	x -	x -		
25	UM 4	x -	x 4.994E	x -	x x	0 -	cEfHK -		
26	UM 4	x -	x x	x -	x x	7 -	cfH -		
27	UM 6	- -	- -	- -	- -	- -	- -		
28	UM 4	x -	x x	x -	x x	4 -	cH -		
29	UM 4	x -	x x	x -	x x	5 -	CHJ -		
30	UM 5	x -	x x	x -	x x	7 -	CH -	*Includes 800 P.E. Industrial Waste.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
OGILVIE	Farmers Co-op. Creamery Assn.	x -	- -	20 L	0.005 -	- -	None -	Groundhouse River -	1
OLIVIA		2,012 -	1,600 -	S -	x -	x x	CiBo -	East Fork of Beaver Creek	2
ONAMIA		704 -	635 -	S -	x -	1.6 0.156	ShCpFthCmEcZiB -	Rum River -	3
ORR		309 -	300 -	S -	x -	0.3 0.025	ShCiFtrBo -	Pelican Lake -	4
ORTONVILLE		2,577 -	2,200 -	S -	x -	3.33 0.2	ShCmAmCmDcrBo -	Minnesota River -	5
ORTONVILLE	Big Stone Canning Co.	x -	- -	20 C	0.375 -	31.5 0.375	SfIc -	Land -	6
OSAKIS		1,488 -	1,300 -	S -	x -	1.5 0.09	ScCmFtrCmEgcDcrBo -	Lake Osakis to Sauk River	7
OSSEO		1,167 -	(800) -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	8
OSTRANDER	Hadland Concentrating Plant	x -	- -	10 A	5.0 -	- 5.0	Lp(Sedimentation) 11	No discharge -	9
OWATONNA		10,191 -	9,000 -	S -	x -	13.3 0.8	S CmFthCmFthCmEgc DrBo	Straight River -	10
PARKERS LAKE	Minneapolis Work House	- 300-9	300 -	S -	0.04 -	0.5 0.05	ShCpAmCpEgcDcpBc -	Parkers Lake to Bassett Creek	11
PARKERS PRAIRIE		900 -	700 -	S -	x -	1.0 0.06	ShCiFtnCpEcgBo -	Lake Adley -	12
PARK RAPIDS		3,027 -	2,500 -	S -	0.2 -	6.9 0.46	ScCmFthrCmEcg DcrLs	Fish Hook River -	13
PAYNESVILLE		1,503 -	1,200 -	S -	x -	1.33 0.08	CiBo -	North Fork of Crow River	14
PELICAN RAPIDS		1,676 -	1,170 -	S -	x -	1.6 0.08	ShCiFtrCpBo -	Pelican River -	15
PELICAN RAPIDS	Farmers Co-op. Creamery Co.	x -	- -	20 L	0.01 -	- -	None -	Pelican River -	16
PERHAM		1,926 -	1,390 -	S -	x -	4.38 0.38	ShCmFthCmEcgDcrBo -	Ottertail River -	17
PINE BEND	Great Northern Oil Company	x -	- -	29 A	7.2E P	x 7.2	2 8 Ft 7 Le (Hay Filter)	Mississippi River -	18
PINE BEND	St. Paul Ammonia Products, Inc.	x -	- -	28 C	x -	- -	8 -	Mississippi River -	19
PINE CITY		1,937 -	1,500 -	S -	x -	2.9 0.174	ShCmEgDcrBo -	Snake River -	20
PINE ISLAND		1,298 -	900 -	S -	x -	- -	None -	N. Middle Br. of Zumbro River	21
PINE RIVER		835 -	520 -	S -	x -	- -	None -	Norway River -	22
PIPESTONE		5,269 -	5,276 -	S -	x -	5.0 0.3	SmGmCiFt CmLs -	Pipestone Creek -	23
PIPESTONE	Indian School	- 450-1	450 -	S -	x -	0.45 0.058	ShCiFtnCpBo -	Pipestone Creek -	24
PLAINVIEW		1,524 -	1,400 -	S -	x -	10.0 0.33	ScG Kc CmFthCmFth CmEgcDcrBo	Dry Run to N. Br. of Whitewater R.	25
PLAINVIEW	Lakeside Packing Co.	x -	- -	20 C	x -	18.3 0.3	SfIc -	Land -	26
PLUMMER		340 -	x -	x -	x -	- -	None -	Clearwater River -	27
PRESTON		1,399 -	1,300 -	C -	x -	- -	None -	Root River -	28
PRINCETON		2,108 -	1,600 -	S -	x -	0.5 0.03	CiBo -	Rum River -	29
PRINCETON	Bly Rendering Co.	x -	- -	20 P	0.026 -	0.08 0.026	0 CpIp -	Rum River & Land -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM 5	x -	x x	x -	x x	0 -	ch -		
2	UM 4	x -	x x	x -	x x	4 -	ch -		
3	UM 3	x -	x x	x -	x x	x -	x -		
4	UM 2	- -	x x	- -	- -	7 -	x -		
5	UM 4	x -	x x	x -	x x	1 &5	ceH -		
6	UM 4	- -	x 0	- -	- -	x -	- -		
7	WL 23	x -	x x	x -	x x	7 -	ceH -		
8	WL 23	x -	- -	x -	x x	x -	x -		
9	WL 23	x -	- -	x -	x x	x -	x -		
10	WL 23	x -	- -	x -	x x	x -	x -		
11	UM 4	- -	x -	- -	- -	2 -	- -		
12	UM 3	- -	x x	- -	- -	2 &5	cfHJ -		
13	UM 6	- -	- -	- -	- -	- -	- -		
14	UM 6	- -	- -	- -	- -	x -	- -		
15	UM 6	x -	x 1.200	x -	x x	1 -	ch -		
16	UM 3	x -	x x	x -	x x	7 -	CHJ -		
17	UM 3	- -	x x	- -	- -	5 -	cH -		
18	UM 3	x -	x x	x -	x x	7 -	CFH -		
19	UM 3	x -	x x	x -	x x	4 -	cH -		
20	UM 1	x -	x x	x -	x x	5 -	cfH -		
21	UM 1	x -	x x	x -	x x	x -	x -		
22	UM 1	x -	x x	x -	x x	7 -	BCFHi -		
23	UM 6	x -	x x	x -	x x	7 -	ABCHKL -		
24	UM 6	x -	x x	x -	x x	2 -	ABCFHKL -		
25	UM 5	x -	x x	x -	x x	2 -	CFHIJ -		
26	UM 6	x -	x x	x -	x x	0 -	ch -		
27	UM 3	x -	x x	x -	x x	*0 -	cfh -	*Plans approved for treatment plant.	
28	MR 7	BS143.2- 35-41.2	x x	x -	x x	7 -	CH -		
29	MR 7	BS143.2- 35-41	450 100	x -	x x	7 -	CH -		
30	UM 6	x -	x x	x -	x x	x -	CFH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
PROCTOR		2,693 -	(2,000) -	S -	- -	- -	See Duluth -	Lake Superior -	1
PUPOSKY	Lake Julia Sanitarium	- 60-9	60 -	S -	x -	x x	CiFt EgcBo -	Lake Julia to Mud River	2
RAMSEY COUNTY	Childs Preventorium	- 80-3	80 -	S -	x -	0.1 0.008	CiFt EgcBo -	Owasso Lake to Phalen Creek	3
RED LAKE	Red Lake Indian Agency	- 300-9	300 -	S -	x -	0.25 0.058	ShCiFsBo -	Pike Creek -	4
RED LAKE FALLS		1,733 -	1,380 -	S -	x -	1.7 0.17	ShCiEgcDgcBo -	Clearwater River -	5
RED LAKE FALLS	Red Lake Falls Rendering Co.	x -	- -	20 P	0.044 -	0.2 0.044	0 CpIp -	Red Lake River & Land	6
RED WING		10,645 -	9,000 -	C -	x -	- -	None -	Mississippi River -	7
RED WING	State Training School for Boys	- 450-9	350 -	S -	.x -	- -	None -	Mississippi River -	8
REDWOOD FALLS		3,813 -	2,900 -	S -	x -	2.66 0.16	ShCiFtnCpBo -	Redwood River -	9
REMER		412 -	150 -	S -	x -	- -	None -	Willow River -	10
RENVILLE		1,323 -	1,140 -	S -	x -	1.14 0.07	S CmFthCpDrBo -	County ditch -	11
RICHFIELD		17,502 -	(6,000) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	12
RICHMOND		700 -	570 -	S -	x -	- -	None -	Sauk River -	13
RIVERTON		148 -	130 -	S -	x -	x x	CpBo -	Serpent Creek -	14
RIVERTON	Carlson-Nelson Mine	x -	- -	10 -	x -	x x	x -	x -	15
RIVERTON	Manganese Chemicals Corp.	x -	- -	10 -	1.0E P	- 1.0	C -	Mississippi River -	16
RIVERTON	Sagamore Mine	x -	- -	10 -	x -	- x	x -	Serpent Creek -	17
ROBBINSDALE		11,289 -	(4,000) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	18
ROCHESTER		29,885 -	25,000 -	S -	x -	140.0 7.0	SmgSfGmFthCmEcg DtrfVvZil	Zumbro River -	19
ROCHESTER	Libby, McNeil & Libby	x -	- -	20 C	0.65 -	43.2 0.65	SfL -	Zumbro River -	20
ROSEAU		2,231 -	1,600 -	S -	x -	2.0 0.2	ScCiBo -	Roseau River -	21
ROSE CREEK		314 -	240 -	S -	x -	0.4 0.024	CiEgcBo -	Rose Creek -	22
ROSEMOUNT		567 -	510 -	S -	x -	1.0 0.1	ShCmFthCmEcgDcrBo -	Seepage Lagoon -	23
ROSEMOUNT	Univ. of Minn. Research Center	- x	50 -	S -	x -	x x	CpEgcDcBo -	Vermilion River -	24
ROSEVILLE		6,437 -	(*) -	S -	x -	- -	See Minneapolis - St. Paul S. D.	Mississippi River -	25
ROTHSAY		537 -	415 -	S -	x -	1.475 0.065	ShSfFthCmEchZiB -	Deerhorn Cr. to S. Br. Buffalo R.	26
RUSH CITY		1,175 -	1,000 -	S -	x -	1.0 0.06	CiBo -	Rush Creek -	27
RUSHFORD (City) *		1,270 -	1,500 -	S -	x -	4.8 0.288	ScCmFtrCmEgcDfrBo -	South Branch of Root River	28
RUSHFORD (Village)		612 -	(635) -	x -	- -	- -	See Rushford (City) -	South Branch of Root River	29
RUSSELL		508 -	400 -	S -	x -	- -	None -	Redwood River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM 6	- -	x -	- -	- -	5 -	- -		
2	UM 1	x -	x x	x -	x x	0 -	x -		
3	UM 6	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
4	UM 3	x -	x x	x -	x x	4 -	ch -		
5	UM 3	x -	x x	x -	x x	5 -	cH -		
6	WL 23	- -	- -	- -	- -	- -	- -		
7	UM 1	- -	x x	- -	- -	x -	x -		
8	UM 6	x -	x x	x -	x x	5 -	cfHi -		
9	UM 1	x -	x x	x -	x x	x -	x -		
10	UM 1	x -	x x	x -	x x	2 -	CfH -		
11	UM 1	x -	x x	x -	x x	5 -	CfH -		
12	UM 6	x -	x x	x -	x x	0 -	BCfH1JK -		
13	UM 6	x -	x x	x -	x x	0 -	BCfH1JK -		
14	UM 4	x -	x x	x -	x x	5 -	BcFH -		
15	UM 3	x -	x x	x -	x x	x -	x -		
16	UM 4	x -	x x	x -	x x	1 -	ch -		
17	UM 6	- -	- -	- -	- -	- -	- -		
18	UM 3	x -	x x	x -	x x	0 -	ch -		
19	UM 3	x -	x x	x -	x x	x -	cfh -		
20	UM 3	x -	x x	x -	x x	x -	x -		
21	UM 3	x -	x x	x -	x x	7 -	ABCHIJK -		
22	UM 3	x -	- -	x -	x x	x -	x -		
23	UM 6	- -	- -	- -	- -	- -	- -		
24	UM 6	x -	x x	x -	x x	1 &2	x -		
25	UM 6	x -	x x	x -	x x	7 -	CH -		
26	UM 1	x -	x x	x -	x x	5 -	cH -		
27	UM 10	x -	x x	x -	x x	7 -	C -		
28	UM 6	- -	x -	- -	- -	7 -	- -		
29	UM 6	x -	x x	x -	x x	7 -	x -		
30	UM 6	- -	- -	- -	- -	- -	- -	*Interceptor sewer under construction in 1956.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
SACRED HEART		745 -	700 -	S -	x -	0.88 0.072	CiFt C E Bo -	Minnesota River -	1
ST. ANTHONY (Hennepin County)		1,406 -	(700) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	2
ST. CHARLES		1,548 -	1,400 -	S -	x -	4.6* 0.255	ShChCmFthCmFthCmEcg DfhrBo	South Branch of Whitewater River	3
ST. CLOUD		28,410 -	23,000 -	C -	3.5 -	*46.0 3.6	SgGmKmCmFthCmEcg DfhrBoc	Mississippi River -	4
ST. CLOUD	St. Cloud Canning Assn.	x -	- -	20 C	0.2 -	- -	None -	Mississippi River -	5
ST. CLOUD	St. Cloud Rendering Co.	x -	- -	20 P	0.042 -	0.2 0.042	O CpIp -	St. Augusta Cr. & Land	6
ST. JAMES		3,861 -	2,200 -	S -	x -	*13.4 0.7	SmCmFthCmFtrCmEcg ZiB	St. James Creek -	7
ST. JOSEPH		1,246 -	900 -	S -	x -	- -	None -	Watab River -	8
ST. LOUIS PARK		22,644 -	(7,735) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	9
ST. MICHAEL		487 -	350 -	S -	x -	- -	None -	Creek to South Fork of Crow R.	10
ST. PAUL		311,349 -	(250,000) -	C -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	11
ST. PAUL PARK		- 2.438-5	2,200 -	S -	x -	2.0 0.2	ScCmFthCmEcDcBo -	Mississippi River -	12
ST. PAUL PARK	Northwestern Refining Co.	x -	- -	29 A	3.31 -	- 3.3	O F L -	Mississippi River -	13
ST. PETER		7,754 -	4,350 -	C -	x -	- -	None -	Minnesota River -	14
ST. PETER	State Hospital	- 2.400-9	2,710 -	S -	x -	- -	None -	Minnesota River -	15
SANBORN		613 -	520 -	S -	x -	- -	None -	Cottonwood River -	16
SANDSTONE		1,097 -	1,400 -	S -	x -	- -	None -	Kettle River -	17
SANDSTONE	Federal Corr. Institute	- x	438 -	S -	x -	x x	CpFt CpEgcDcBo -	Kettle River -	18
SARTELL		662 -	470 -	S -	x -	- -	None -	Watab River & Mississippi River	19
SARTELL	St. Regis Paper Co.	x -	- -	26 CG	x -	x x	Si 6, 11 -	Mississippi River -	20
SAUK CENTRE		3,140 -	3,000 -	S -	x -	3.5 0.328	ShCiFtnCpBo -	Sauk River -	21
SAUK RAPIDS		3,410 -	2,700 -	S -	x -	- -	None -	Mississippi River -	22
SAVAGE		389 -	200 -	S -	x -	0.2 x	CiFt CpDcBo -	Minnesota River -	23
SAVAGE	Cargill Inc.	x -	- -	20 Q	x -	- -	None -	Credit River -	24
SAVAGE	Minnesota Masonic Home	- 215-3	215 -	S -	x -	- -	None -	Minnesota River -	25
SCANLON		572 -	420 -	S -	x -	0.44 0.038	ShCiBo -	St. Louis River -	26
SEBEKA		802 -	500 -	S -	x -	3.76 0.16	ShSfFthCmEcg DcrBo	Red Eye River -	27
SHAKOPEE		3,185 -	1,575 -	C -	x -	- -	None -	Minnesota River -	28
SHAKOPEE	Hallett Const. Company	x -	- -	14 -	1.0 P	- 1.0	C -	Giffords Lake to Minnesota River	29
SHAKOPEE	State Womens Reformatory	- 100-9	100 -	S -	x -	- -	None -	Minnesota River -	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT / FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM 1	x -	x x	x -	x x	x -		x -		
2	UM 5	x -	x x	x -	x x	4 -	cH	 -		
3	UM 6	x -	x x	x -	x x	5 -	cfH	 -		
4	UM 6	- -	- -	- -	- -	- -		- -		
5	UM 4	x -	x x	x -	x x	0 -	ch	 -		
6	UM 4	x -	x x	x -	x x	x -		x -		
7	UM 6	- -	- -	- -	- -	- -		- -		
8	UM 6	x -	x x	x -	x x	7 -	CFH	 -	*Includes 2,500 P.E. Industrial Waste.	
9	UM 3	x -	x x	x -	x x	7 -	CFHJ	 -	*Includes 10,000 Industrial Waste.	
10	UM 3	x -	x x	x -	x x	0 -	cfhj	 -		
11	UM 3	x -	x x	x -	x x	2 -	cH	 -		
12	UM 4	x -	x x	x -	x x	7 -	CH	 -	*Includes 7,900 Industrial Waste.	
13	UM 3	x -	x x	x -	x x	*0 -	ch	 -	*Plans approved for treatment plant.	
14	UM 6	- -	- -	- -	- -	- -		- -		
15	UM 3	x -	x x	x -	x x	*0 -	cfh	 -	*Plans approved for treatment plant.	
16	UM 6	- -	- -	- -	- -	- -		- -		
17	UM 6	x -	x x	x -	x x	7 -	CH	 -		
18	UM 6	x -	x x	x -	x x	x -		x -		
19	UM 4	x -	x 5,592E	x -	x x	0 -	cfhK	 -		
20	UM 4	x -	x 2,893E	x -	x x	0 -	cfhK	 -		
21	UM 4	x -	x x	x -	x x	0 -	ch	 -		
22	UM 5	x -	x x	x -	x x	*0 -	cfhj	 -	*Plans approved for treatment plant.	
23	UM 5	x -	x x	x -	x x	x -		x -		
24	UM 3	x -	x x	x -	x x	0 -	ch	 -		
25	UM 3	x -	x x	x -	x x	1 &2	abcfh	 -		
26	UM 3	x -	x x	x -	x x	5 -	cH	 -		
27	UM 3	x -	x x	x -	x x	0 -		x -		
28	UM 4	x -	x x	x -	x x	5 -	CFHJK	 -		
29	UM 4	x -	x x	x -	x x	0 -	cfh	 -		
30	UM 4	x -	215 215	x -	x x	0 -	cfHJK	 -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
SHERBURNE		1,221 -	1,100 -	S -	x -	2.2* 0.2	ShCmFthCmEcgDcrBo -	Turtle Lake to E. Fk. Des Moines R.	1
SILVER BAY		- x	x -	S -	x -	7.0 0.7	ScCmFtnCmEcgDchrBo -	Lake Superior -	2
SILVER BAY	E.W. Davis Works	x -	- -	10 A	187E P	- -	None -	Lake Superior -	3
SILVER LAKE		603 -	300 -	S -	x -	1.7 0.09	ShGhCmFthCmEcDrBo -	Silver Lake -	4
SIOUX VALLEY	Sioux Valley Coop Creamery Co.	x -	- -	20 L	x -	- -	None -	West Fork of Little Sioux R.	5
SLAYTON		1,887 -	1,900 -	S -	0.12 -	3.5 0.25	Lo -	Soil absorption or Beaver Creek	6
SLEEPY EYE		3,278 -	2,600 -	S -	x -	4.6 0.275	ClBo -	Sleepy Eye Creek -	7
SLEEPY EYE	California Packing Co.	x -	- -	20 C	0.59 -	37.0 0.59	SfL -	Sleepy Eye Creek -	8
SOUDAN		- 1.200-1	790 -	S -	x -	x x	ClFt CpE Bo -	East Two Rivers -	9
SOUTH ST. PAUL		15,909 -	10,000 -	C -	x -	15.0 10.0	ShGhO Ka CmFthCm EgcL	Mississippi River -	10
SPICER		- 566-5	510 -	S -	x -	1.0* 0.086	ShClFthCmEchBo -	Woodcock Lake -	11
SPOONER		420 -	(440) -	S -	x -	- -	See Baudette -	Rainy River -	12
SPRINGFIELD		2,574 -	2,100 -	S -	x -	2.1 0.288	ScCmFtrCmEgcDrcBo -	Cottonwood River -	13
SPRING GROVE		1,093 -	880 -	S -	x -	1.2 0.075	ClBo -	Spring Grove Creek	14
SPRING VALLEY		2,467 -	1,900 -	S -	x -	2.4 0.144	ShCmFtrC EgcBo -	Spring Valley Creek	15
STAPLES		2,782 -	2,600 -	S -	x -	3.0 0.28	ShClFtnCpBo -	Hayden Creek -	16
STARBUCK		1,143 -	870 -	S -	x -	1.0 0.10	ShClBo -	Lake Emily Outlet to Chippewa River	17
STEPHEN		877 -	600 -	S -	x -	0.64 0.048	S ClBo -	Tamarac River -	18
STEVENSON	Lamberton Mine	x -	- -	10 -	x -	- x	x -	Prairie River -	19
STEVENSON	South Stevenson Mine	x -	- -	10 -	1.22 -	- -	None -	Keewatin Creek -	20
STEVENSON	Stevenson Mine	x -	- -	10 -	1.44 -	- -	None -	Keewatin Creek -	21
STEWART		695 -	570 -	C -	x -	- -	None -	Buffalo Creek -	22
STEWARTVILLE		1,193 -	650 -	S -	x -	1.0 0.12	ShCmFtrCmEgcDrcBo -	North Branch of Root Tiver	23
STILLWATER		7,674 -	6,400 -	C -	x -	- -	None -	St. Croix River -	24
STUNTZ TOWNSHIP (Itasca County)	Bennett Annex Mine	x -	- -	10 -	- -	- -	See Keewatin-Bennett Washing Plant	Keewatin Creek -	25
STUNTZ TOWNSHIP (Itasca County)	Cyprus Mine	x -	- -	10 -	x -	- x	x -	Kelly Lake -	26
STUNTZ TOWNSHIP (St. Louis County)	Carmi Mine	x -	- -	10 -	- -	- -	See Hibbing - Mahoning Mine	Day Lake -	27
STUNTZ TOWNSHIP (St. Louis County)	Kerr Mine	x -	- -	10 -	x -	- x	x -	x -	28
STUNTZ TOWNSHIP (St. Louis County)	Mahoning Group 3 Mine	x -	- -	10 -	- -	- -	See Hibbing - Mahoning Mine	Day Lake -	29
STUNTZ TOWNSHIP (St. Louis County)	Mahoning Group 4 Mine	x -	- -	10 -	- -	- -	See Hibbing - Mahoning Mine	Day Lake -	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT 15	DOWNSTREAM WATER USE: FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	WL	x	x	x	x	5	abcfhijk			
	23	-	x	-	x	-		-		
2	UM	x	x	x	x	x	CFH			
	3	-	x	-	x	-		-		
3	UM	x	x	x	x	0	cfhjK			
	4	-	9,160	-	x	-		-		
4	UM	-	x	-	-	7	CH			
	4	-	x	-	-	-		-		
5	UM	x	100	x	x	0	cfHJ			
	4	-	100	-	x	-		-		
6	UM	x	x	x	x	7	CH			
	11	-	x	-	x	-		-		
7	WL	-	x	-	-	7	CH			
	23	-	x	-	-	-		-		
8	WL	-	x	-	-	7	ABEFHKL			
	23	-	x	-	-	-		-		
9	UM	x	x	x	x	x		x		
	3	-	x	-	x	-		-		
10	[illegible]	M693.5-	x	x	x	0	CH			
	12	270-25	x	-	x	-		-		
11	UM	x	x	x	x	7	CHF			
	11	-	x	-	x	-		-		
12	UM	x	x	x	x	4	CH			
	4	-	x	-	x	-		-		
13	UM	x	x	x	x	7	CH			
	4	-	x	-	x	-		-		
14	UM	x	x	x	x	7	CFH			
	2	-	x	-	x	-		-		
15	UM	x	x	x	x	1	BCfHiJK			
	6	-	575,000	-	x	-		-		
16	UM	-	x	-	-	7	CH		*Includes 250 P.E.	
	3	-	x	-	-	-		-	Industrial Waste.	
17	UM	-	-	-	-	-		-		
	2	-	-	-	-	-		-		
18	UM	x	x	x	x	7	cH			
	4	-	x	-	x	-		-		
19	UM	x	x	x	x	4	ch			
	6	-	x	-	x	-		-		
20	UM	x	x	x	x	5	cH			
	6	-	x	-	x	-		-		
21	UM	x	x	x	x	5	cfH			
	3	-	x	-	x	-		-		
22	UM	x	x	x	x	4	cefh			
	4	-	x	-	x	-		-		
23	UM	x	x	x	x	x	cH			
	1	-	x	-	x	-		-		
24	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
25	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
26	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
27	UM	x	x	x	x	0	cfhj			
	3	-	x	-	x	-		-		
28	UM	x	x	x	x	7	CH			
	6	-	x	-	x	-		-		
29	UM	x	x	x	x	0	cfHiJK			
	5	-	x	-	x	-		-		
30	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
STUNTZ TOWNSHIP (St. Louis County)	Mahoning Group 6 Mine	x -	- -	10 -	2.0 -	- 2.0	Lp(Sedimentation) 11	Day Lake -	1
STUNTZ TOWNSHIP (St. Louis County)	South Eddy Mine	x -	- -	10 -	- -	- -	See Keewatin - Carlz Concentrating Plant	West Swan River -	2
SWIFT	Consolidated School	- x	x -	S -	x -	x x	CiFc -	Sounty Ditch -	3
TACONITE		322 -	375 -	S -	x -	0.7 0.042	CiBo -	Holman Lake Outlet	4
TACONITE	Arcturus Mine	x -	- -	10 -	x -	- -	None -	Twin Lake Outlet -	5
TACONITE *	Holman-Cliffs Conc. Plant	x -	- -	10 A	14.4 -	- x	Lp -	Holman Lake Outlet	6
TACONITE	Holman-Cliffs (Bingham) Mine	x -	- -	10 -	- -	- -	See Taconite-Holman Cliffs Conc. Plant	Holman Lake Outlet	7
TACONITE	Holman-Cliffs (Hol.-Brn.) Mine	x -	- -	10 -	- -	- -	See Taconite Holman Cliffs Conc. Plant	Holman Lake Outlet	8
TACONITE	Holman-Cliffs (No. Star) Mine	x -	- -	10 -	- -	- -	See Taconite-Holman Cliffs Conc. Plant	Holman Lake Outlet	9
TACONITE	Lake Concentrating Plant	x -	- -	10 A	- -	- -	See Taconite-Holman Cliffs Conc. Plant	Holman Lake Outlet	10
TAYLORS FALLS		520 -	550 -	S -	x -	0.1 0.01	C FtrC E D B -	St. Croix River -	11
THIEF RIVER FALLS		6,926 -	5,600 -	S -	x -	12.8 0.768	ScCmFtrCmEgcDrcBo -	Red Lake River -	12
THIEF RIVER FALLS	Oakland Park Sanitarium	- 55-9	55 -	S -	x -	x x	CiFt Bo -	Red Lake River -	13
TOFTE	Cook County School	- x	x -	S -	x -	x x	CiFtCpEh -	Lake Superior -	14
TOWER		773 -	740 -	S -	x -	x x	CiBo -	East Two Rivers -	15
TRACY		3,020 -	3,450 -	S -	x -	3.1 0.2	CiFtrCpBo -	North Branch of Plum Creek	16
TROMMALD		117 -	150 -	S -	x -	- -	None -	Lake Mahnomen -	17
TROMMALD	Maroco Concentrating Plant	x -	- -	10 A	5.1 -	- x	Lp -	Serpent Creek -	18
TROMMALD	Maroco Mine	x -	- -	10 -	x -	- -	None -	Serpent Creek -	19
TROMMALD *	Virginia Concentrating Plant	x -	- -	10 A	1.6 -	- 1.6	Lp -	Serpent Creek -	20
TROMMALD	Virginia Mine	x -	- -	10 -	- -	- -	See Trommald - Virginia Conc. Plant	Serpent Creek -	21
TRUMAN		1,106 -	900 -	S -	x -	2.0 0.13	ShCiFtrCm E Bo -	Ditch to Perch Creek	22
TWIN LAKES	Albert Lea Co-op Cry. Assn.	x -	- -	20 J	.015E P	x 0.015	CpFtCp -	Goose Creek to Shell Rock River	23
TWIN VALLEY		899 -	760 -	S -	x -	- -	None -	Wild Rice River -	24
TWO HARBORS		4,400 -	4,200 -	C -	1.2 -	9.0 1.5	SmGmCmEcgVv -	Agate Bay to Lake Superior	25
TYLER		1,121 -	950 -	S -	x -	- -	None -	Judicial Ditch to Redwood River	26
ULEN		525 -	500 -	S -	x -	1.4 0.075	ShSfFthCmZiB -	South Branch of Wild Rice River	27
UNDERWOOD	Underwood Co-op. Creamery Co.	x -	- -	20 EL	0.01 -	x x	Cp -	x -	28
VERMILLION	Empire Rendering Co.	x -	- -	20 P	0.044 -	0.16 0.044	O CpIp -	Vermillion River & Land	29
VERNON CENTER		344 -	320 -	S -	x -	0.5 0.03	CiFtnC EhBo -	Blue Earth River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
2	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
3	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
4	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
5	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
6	WL	-	-	-	-	x		x		
	23	-	-	-	-	-		-		
7	WL	-	-	-	-	-		-		
	23	-	-	-	-	-		-		
8	UM	x	x	x	x	7		x		
	2	-	x	-	x	-		-		
9	UM	x	x	x	x	2	cH			
	3	-	x	-	x	-		-		
10	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
11	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
12	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
13	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
14	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
15	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
16	UM	x	x	x	x	7	CFH1JK			
	5	-	x	-	x	-		-		
17	UM	x	x	x	x	7	CFHIJ			
	1	-	x	-	x	-		-		
18	UM	x	x	x	x	x		x		
	1	-	x	-	x	-		-		
19	WL	x	x	x	x	7	CH			
	23	-	x	-	x	-		-		
20	UM	x	x	x	x	4	CFH1JK			
	2	-	x	-	x	-		-		
21	UM	x	x	x	x	1	cH			
	4	-	x	-	x	-		-		
22	UM	x	x	x	x	0	ch			
	3	-	x	-	x	-		-		
23	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
24	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
25	UM	x	-	x	x	x		x		
	3	-	-	-	x	-		-		
26	UM	-	-	-	-	-		-		
	3	-	-	-	-	-		-		
27	UM	x	x	x	x	7	CH			
	4	-	x	-	x	-		-		
28	UM	x	x	x	x	2	CH			
	10	-	x	-	x	-		-		
29	UM	x	x	x	x	0	ch			
	1	-	x	-	x	-		-		
30	WL	-	x	-	-	7	ABEFH1JK			
	23	-	x	-	-	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
VILLARD	Villard Creamery Company	x -	- -	20 L	0.06E CP	x 0.06	Le	Land	1
VIRGINIA		12,486 -	11,000 -	S -	x -	20.3 1.5	SmgEhCmFtnCmEcDrp HcBo	East Two Rivers -	2
VIRGINIA	Auburn Mine	x -	- -	10 -	0.72 -	- -	None -	Creek to Three Mile Lake	3
VIRGINIA	Charleston Concentrating Plant	x -	- -	10 A	x -	- x	x -	East Two Rivers -	4
VIRGINIA	Columbia Concentrating Plant	x -	- -	10 A	x -	- x	x -	x -	5
VIRGINIA	Columbia Mine	x -	- -	10 -	x -	- x	x -	x -	6
VIRGINIA	Enterprise Mine	x -	- -	10 -	0.43 -	- 0.43	Lp(Sedimentation) -	Silver Creek -	7
VIRGINIA	Extaca Taconite Plant	x -	- -	10 A	x -	- x	x -	x -	8
VIRGINIA	Great Western Mine	x -	- -	10 -	0.72 -	- -	None -	Creek to Three Mile Lake	9
VIRGINIA	Julia Concentrating Plant	x -	- -	10 A	x -	- x	x -	East Two Rivers -	10
VIRGINIA	Minnewas Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	11
VIRGINIA	Prindle Concentrating Plant	x -	- -	10 A	x -	- x	Lp -	x -	12
VIRGINIA	Prindle Mine	x -	- -	10 -	x -	- -	None -	x -	13
VIRGINIA *	Rouchleau Mine	x -	- -	10 -	0.72 -	- -	None -	East Two Rivers -	14
WABASHA		2,468 -	2,300 -	S -	x -	2.66 0.16	ShCmEgcDrcBo -	Mississippi River -	15
WABASSO		693 -	500 -	S -	x -	0.9 0.055	CiBo -	Ditch to Big Sleepy Eye Creek	16
WACONIA		1,569 -	1,200 -	S -	x -	5.6 0.2	ScGhCmFthCmFtrCm EcDrHcBo	Waconia Lake to Carver Creek	17
WADENA		3,958 -	3,500 -	S -	x -	*10.5 0.92	SchGmCmFthCmFtCm EcgDfmrHcBo	Union Creek to Redeye River	18
WAITE PARK		1,639 -	1,250 -	S -	x -	2.1 0.125	ShCiEgBo -	Sauk River -	19
WALDORF		266 -	220 -	S -	x -	0.63 x	CiFthCmEchBo -	Little Cobb River -	20
WALKER		1,192 -	840 -	S -	x -	1.2 0.075	ShCmFtrCmEgcDcBo -	Leech Lake -	21
WALKER	Ah-Gwah Ching Sanatorium	- 200-9	330 -	S -	x -	0.9 0.14	ShCmFtrCmEgcDcBo -	Leech Lake River -	22
WALNUT GROVE		890 -	670 -	S -	x -	1.2 0.075	CiBo -	Plum Creek -	23
WANAMINGO		496 -	430 -	S -	x -	- -	None -	North Branch of Zumbro River	24
WANDA		178 -	170 -	S -	x -	0.49 0.033	CiFtrCmEchBo -	Willow Lake -	25
WARREN		1,779 -	1,600 -	C -	x -	3.3* 0.18	Lo -	Lagoon -	26
WARROAD		1,276 -	1,190 -	S -	x -	2.6 0.23	ScCmEcBo -	Warroad River -	27
WASECA		4,927 -	4,400 -	S -	x -	12.5* 0.5	SfhFthCmFthCmEcgHc ZiVv	Le Sueur River -	28
WASECA	Birds Eye Division	x -	- -	20 BCR	0.66 -	50.0 0.66	SfIcOa* -	Land -	29
WATERTOWN		837 -	660 -	S -	x -	1.0 0.065	CiBo -	South Fork of Crow River	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD)	STREAM FLOW FOR DESIGN		POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	REMARKS	ADDITIONAL COMMENTS
			UNTREATED WASTE DISCHARGED WASTE	MINIMUM FLOW CFS	Duration (Days) Frequency (Years)		PRESENT FUTURE		
	9	10	11	12	13	14	15	16	17
1	UM 4	x -	x x	x -	x x	*0 -	ch -	*Plans approved for treatment plant.	
2	UM 1	x -	x x	x -	x x	x -	x -		
3	UM 1	x -	x x	x -	x x	2 &5	cfhi -		
4	UM 6	x -	x x	x -	x x	7 -	CH -		
5	UM 4	x -	x x	x -	x x	7 -	CH -		
6	WL 23	x -	- -	x -	x x	x -	x -		
7	WL 23	x -	- -	x -	x x	x -	x -		
8	WL 23	x -	- -	x -	x x	x -	x -		
9	WL 23	x -	- -	x -	x x	x -	x -		
10	WL 23	x -	- -	x -	x x	x -	x -		
11	WL 23	x -	- -	x -	x x	x -	x -		
12	WL 23	x -	- -	x -	x x	x -	x -		
13	WL 23	x -	- -	x -	x x	x -	x -		
14	WL 23	x -	- -	x -	x x	x -	x -		
15	UM 6	x -	x x	x -	x x	7 -	CEFHJK -		
16	UM 4	x -	x x	x -	x x	5 -	cH -		
17	UM 4	x -	x x	x -	x x	x -	cefhi -		
18	UM 3	x -	x x	x -	x x	7 -	CFH -	*Includes 4,100 Industrial Waste.	
19	UM 3	x -	x x	x -	x x	2 -	ch -		
20	UM 4	x -	x x	x -	x x	7 -	CH -		
21	UM 3	- -	x x	- -	- -	5 -	CFHIJ -		
22	UM 3	x -	x x	x -	x x	7 -	CFHJ -		
23	UM 4	x -	x x	x -	x x	4 -	cH -		
24	UM 6	x -	x x	x -	x x	0 -	ch -		
25	UM 4	- -	x x	- -	- -	7 -	CH -		
26	UM 1	- -	x x	- -	- -	7 -	- -	*Includes 1,500 P. E. Industrial Waste.	
27	UM 2	x -	x x	x -	x x	7 -	x -		
28	UM 4	x -	x x	x -	x x	7 -	CH -	*Includes 5,000 P.E. Industrial Waste.	
29	UM 4	- -	x x	- -	- -	7 -	- -	*Frozen Pie Process Waste to city sewer.	
30	UM 3	x -	x x	x -	x x	4 -	cfH -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
WATERTOWN	Green Giant Co.	x -	- -	20 C	0.36 -	42.0 0.36	SfIc -	Land -	1
WATERVILLE		1,627 -	1,000 -	S -	x -	7.2 0.36	SrCmFthrCmEcg DcrBo	Lake Sakatak -	2
WATKINS		659 -	593 -	S -	x -	2.83 0.11	ShCmFthCmEcZiB -	Creek to Clearwater Lake	3
WATKINS	Farmers Co-op Creamery Assn.	x -	- -	20 IJL	0.1E CP	6.0 0.1	Icu -	Land - Creek to Clearwater River	4
WATSON		284 -	256 -	S -	x -	0.31 0.025	ShCiFtnCpEc -	Chippewa River -	5
WAVERLY		493 -	460 -	S -	x -	1.56 0.094	CiE B -	Lake Waverly -	6
WAVERLY	Waverly Co-op. Creamery	x -	- -	20 L	x -	x x	x -	Twelve Mile Creek -	7
WAYZATA		1,791 -	1,600 -	S -	x -	*5.2 0.67	ScCmFtrFthCmFsEcg DrtBc	Lake Minnetonka -	8
WELCOME		712 -	550 -	S -	x -	- -	None -	Center Creek -	9
WELLS		2,475 -	2,000 -	S -	x -	2.5 0.15	CiBo -	Maple River -	10
WELLS	California Packing Co.	x -	- -	20 C	0.17 -	12.7 0.17	SfL -	Land -	11
WESTBROOK		1,017 -	700 -	S -	x -	2.4 0.15	Lo	Ditch to Highwater Creek	12
WEST CONCORD		770 -	650 -	S -	x -	0.83 0.05	ShCpAmCpDrcBo -	N. Middle Br. of Zumbro River	13
WEST ST. PAUL		7,955 -	(3,500) -	S -	- -	- -	See Minneapolis - St. Paul S.D.	Mississippi River -	14
WHEATON		1,948 -	1,750 -	C -	x -	5.7* 0.32	ShGhCmFthCmEcgDcrBo -	Mustinka River -	15
WHITE BEAR LAKE		3,646 -	3,300 -	S -	x -	4.5 0.45	SmSgGmCmAaCmEcgDcrBo	Goose Lake	16
WHITE TOWNSHIP (St. Louis County)	Pacific Mine	x -	- -	10 -	0.024 -	- 0.024	Lp(Sedimentation) -	Creek to Partridge River	17
WILLIAMS		414 -	340 -	S -	x -	1.2 0.06	ShCmDcBo -	Zipple River -	18
WILLMAR		9,410 -	6,800 -	S -	x -	10.0 0.6	SmCmFtnCmDrcBo -	South Fork of Crow River	19
WILLMAR	State Asylum	- 1.560-9	1,500 -	S -	x -	x x	ShCmFtrCmEgcDrcBo -	Mud Lake to Hawk Creek	20
WILMONT		473 -	320 -	S -	x -	- -	None -	Jack Creek -	21
WINDOM		3,165 -	2,500 -	C -	x -	4.88 0.3	ScCmFthCmEcgDrBo -	Des Moines River -	22
WINNEBAGO		2,127 -	1,700 -	S -	x -	- -	None -	Blue Earth River -	23
WINNEBAGO	Fairmont Canning Co.	x -	- -	20 C	0.33 -	23.4 0.33	SfIc -	Land -	24
WINONA		25,031 -	22,000 -	C -	x -	30.0 2.25	ShCmEgcDrcfBo -	Mississippi River -	25
WINONA	Swift & Co.	x -	- -	20 F	0.3 -	- -	None -	x -	26
WINTHROP		1,251 -	1,000 -	S -	x -	4.7 0.25	ShCmAaCmEcg DcrTcBo	Ditch to Rush River	27
WINTHROP	Green Giant Co.	- x	- -	20 C	x -	x 0.30	Ic	Soil	28
WINTHROP	Tri-County Dairy Corp. Assn.	- x	- -	20 J	x -	3.6 0.06	Iu	Soil or Ditch	29
WOLVERTON		198 -	200 -	C -	x -	x x	CiBo -	Red River -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	15	16	17
1	UM 3	- -	x -	- -	- -	x -		- -		
2	UM 6	- -	x x	- -	- -	7 -	CFHJ	 -		
3	UM 3	x -	x x	x -	x x	x -		x -		
4	UM 3	x -	x x	x -	x x	7 -	CH	 -		
5	UM 4	x -	x x	x -	x x	x -		x -		
6	UM 3	x -	x x	x -	x x	4 -	cH	 -		
7	UM 3	x -	x x	x -	x x	x -		x -		
8	UM 6	- -	x x	- -	- -	7 -	CFHIJK	 -	*Includes 470 Industrial Waste.	
9	UM 4	x -	x x	x -	x x	0 -	ch	 -		
10	UM 4	x -	x x	x -	x x	4 -	ch	 -		
11	UM 4	- -	x -	- -	- -	*2 -		- -	*Irrigation system under construction, 1953.	
12	UM 4	x -	x x	x -	x x	7 -	Ch	 -		
13	UM 6	x -	x x	x -	x x	2 -	ch	 -		
14	UM 6	- -	- -	- -	- -	- -		- -		
15	UM 1	R393.1** 41.7-7	x x	x -	x x	7 -	CH	 -	*Includes 3,200 P.E. Industrial Waste.	**Red River mileage above International Boundary.
16	UM 6	- -	x -	- -	- -	7 -	CH	 -		
17	WL 23	x -	- -	x -	x x	x -		x -		
18	UM 2	x -	x x	x -	x x	7 -	CefH	 -		
19	UM 4	x -	x x	x -	x x	1 -	ch	 -		
20	UM 4	x -	x x	x -	x x	5 -	CHJ	 -		
21	UM 11	x -	x x	x -	x x	0 -	ch	 -		
22	UM 11	x -	x x	x -	x x	x -		x -		
23	UM 4	x -	x x	x -	x x	0* -	ch	 -	*Plans approved for treatment plant.	
24	UM 4	- -	x -	- -	- -	5 -		- -		
25	UM 6	x -	x x	x -	x x	7 -	CEFHJK	 -		
26	UM 6	x -	x x	x -	x x	*0 -		x -	*Screening plant under construction, 1953.	
27	UM 4	x -	x x	x -	x x	7 -	CH	 -		
28	- -	- -	- -	- -	- -	7 -		- -		
29	UM 4	x -	x x	x -	x x	7 -	CH	 -		
30	UM 1	x -	x x	x -	x x	2 -	aBCHJ	 -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
WORTHINGTON		7,923 -	5,300 -	S -	x -	3.66 0.22	ShCmFtnCmDrcBo -	County Ditch to Okabena Creek	1
WORTHINGTON	S.W. Minnesota Sanitarium	- 54-9	55 -	S -	x -	x x	CiFt Bo -	Lake Okabena to Okabena Creek	2
WORTHINGTON	Worthington Rendering Co.	x -	- -	20 P	0.019 -	0.16 0.019	0 CpFtnIp -	Okabena Creek & Land	3
WOURI TOWNSHIP (St. Louis County)	Sidney Mine	x -	- -	10 -	x -	- x	x -	East Two Rivers -	4
WRENSHALL	International Refineries, Inc.	x -	- -	29 A	0.865 -	- 0.865	0 F Lo -	Silver Creek to St. Louis River	5
ZUMBROTA		1,686 -	1,300 -	S -	x -	- -	None -	North Branch of Zumbro River	6
ZUMBROTA	Zumbrota By-Products Co.	x -	- -	20 P	0.038 -	0.073 0.038	0 CpIp -	North Branch of Zumbro R. & Land	7
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM	x	x	x	x	4	ch			
	11	-	x	-	x	-		-		
2	UM	x	x	x	x	2	CHj			
	11	-	x	-	x	&6		-		
3	UM	x	x	x	x	5	ch			
	11	-	x	-	x	-		-		
4	WL	x	-	x	x	x		x		
	23	-	-	-	x	-		-		
5	WL	x	x	x	x	x		x		
	23	-	x	-	x	-		-		
6	UM	x	x	x	x	0	cfh			
	6	-	x	-	x	-		-		
7	UM	x	x	x	x	5	cFH			
	6	-	x	-	x	-		-		
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MINNESOTA

Community or facility providing sewer service	Communities and/or facilities served
AUSTIN	Mapleview
BANDETTE	Spooner
BIWABIK - BIWABIK CONCENTRATING PLANT	Biwabik - Biwabik (Cass) Mine Biwabik - Biwabik (Williams) Mine
BIWABIK - MARY ELLEN CONCENTRATING PLANT	Biwabik - Mary Ellen Mine
BUHL - MARGARET MINE	Buhl - Wanless Mine Buhl - Woodbridge Mine
CHISHOLM - DUNCAN CONCENTRATING PLANT	Fraser - Douglas Mine Fraser - Duncan Mine
COKATO - GREEN GIANT CO.	Cokato - Northland Canning Co.
COLERAINE - BUCKEYE CONCENTRATING PLANT	Arbo Twp. (Itasca Co.) Buckeye Mine Arbo Twp. (Itasca Co.) Jennison Mine
COOLEY - HARRISON CONCENTRATING PLANT	Cooley - Harrison Mine
COOLEY - PATRICK A CONCENTRATING PLANT	Cooley - Kevin Mine Cooley - Olson Mine Cooley - Patrick C Concentrating Plant Cooley - Patrick-Ann Mine Cooley - Patrick Annex Mine Cooley - Snyder Mine
CROSBY - PORTSMOUTH CONCENTRATING PLANT	Crosby - Portsmouth Mine
DULUTH	Proctor
EVELETH	Fayal
EVELETH - VIRGINIA CONCENTRATING PLANT	Eveleth - Virginia Mine
FRASER - SHERMAN MINE	Balkan Twp. (St. Louis Co.) - Forster Mine Chisholm - Alworth Mine Chisholm - Humphrey Mine Chisholm - St. Clair Mine Chisholm - Shenango Mine Fraser - Croxton Mine Fraser - Fraser Mine Fraser - Hartley Mine Fraser - Hartley - Burt Mine

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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Community or facility providing sewer service	Communities and/or facilities served
GILBERT - SCHLEY CONCENTRATING PLANT	Gilbert - Gilbert Mine Gilbert - Pettit Mine Gilbert - Schley Mine
GRAND RAPIDS TWP. (ITASCA CO.) GREENWAY CONCENTRATOR	Grand Rapids Twp. (Itasca Co.) Greenway Mine
HIBBING - MAHONING MINE	Stuntz Twp. (St. Louis Co.) Carmi Mine Stuntz Twp. (St. Louis Co.) Mahoning Group 3 Mine Stuntz Twp. (St. Louis Co.) Mahoning Group 4 Mine
IRONTON - FEIGH MINE	Irondale Twp. (Crow Wing Co.) - Louise Mine Ironton - Alstead Mine Ironton - Hillcrest South Mine Ironton - Huntington Mine
KEEWATIN - BENNETT WASHING PLANT	Keewatin - Bennett Mine Stuntz Twp. (Itasca Co.) - Bennett Annex Mine
KEEWATIN - CARLZ CONCENTRATING PLANT	Hibbing - Agnew Mine Hibbing - Agnew No. 2 Mine Hibbing - South Agnew Concentrating Plant Hibbing - South Agnew Mine Keewatin - Carlz No. 2 Mine Kelly Lake - Morton Mine Stuntz Twp. (St. Louis Co.) - South Eddy Mine
KEEWATIN - MESABI CHIEF CONC. PLANT	Keewatin - Mesabi Chief Mine Keewatin - Mississippi No. 3 Mine Keewatin - Stein Mine Nashwauk Twp. (Itasca Co.) - Bray Mine Nashwauk Twp. (Itasca Co.) - Gordon Mine
KEEWATIN - PERRY CONCENTRATING PLANT	Nashwauk - Argonne Mine Nashwauk - Galbraith Mine Nashwauk Twp. (Itasca Co.) - Perry Mine Nashwauk Twp. (Itasca Co.) - Wyman Mine
KEEWATIN - SARGENT CONCENTRATING PLANT	Keewatin - Sargent Mine
KEEWATIN - SECTION 18 CONCENTRATING PLANT	Keewatin - Section 18 Mine
KINNEY - MIDWAY MINE	Kinney - Seville Mine
LINDSTROM	Chicago City
MESABA TWP. (ST. LOUIS CO.) WENTWORTH CONCENTRATING PLANT	Mesaba Twp. (St. Louis Co.) - Wentworth No. 1 Mine Mesaba Twp. (St. Louis Co.) - Wentworth No. 2 Mine

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Community or facility providing sewer service	Communities and/or facilities served
MINNEAPOLIS - ST. PAUL S. D.	Brooklyn Center
	Columbia Heights
	Crystal
	Edina
	Fridley
	Golden Valley
	Hopkins
	Lauderdale
	Minneapolis
	Morningside
	New Brighton
	North St. Paul
	Ossco
	Richfield
	Robbinsdale
	Roseville
	St. Anthony (Hennepin Co.)
	St. Louis Park
	St. Paul
	West St. Paul
MOORHEAD	Dilworth
MOUNTAIN IRON - MOUNTAIN IRON CONC. PLANT	Mountain Iron - Mountain Iron Mine
	Mountain Iron - Pilotac Taconite Plant
	Mountain Iron - Snively Mine
NASHWAUK - HAWKINS CONCENTRATING PLANT	Nashwauk - Hawkins Mine
	Nashwauk - MacKillican Mine
	Nashwauk - York Concentrating Plant
	Nashwauk - York Mine
RUSHFORD (CITY)	Rushford (Village)
TACONITE - HOLMAN-CLIFFS CONC. PLANT	Taconite - Holman-Cliffs (Bingham) Mine
	Taconite - Holman-Cliffs (Hol.-Brn.) Mine
	Taconite - Holman-Cliffs (No Star) Mine
	Taconite - Lake Concentrating Plant
TROMMALD - VIRGINIA CONCENTRATING PLANT	Trommald - Virginia Mine
VIRGINIA - ROCHLEAU MINE	Franklin (St. Louis Co.) - Lone Jack Mine
	Franklin (St. Louis Co.) - Moore Mine
	Franklin (St. Louis Co.) - Ohio Mine
	Franklin (St. Louis Co.) - Shaw Mine

MISSOURI

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
ABESVILLE	Lloyd Wiley Canning Co.	150-S -	- -	20 C	x -	- -	Lo -	Goff Creek to James River	1
ADRIAN		905 -	905 -	S* -	x* -	*0.55 *.055	Lo* -	Branch of West Deer Creek	2
AFFTON S. D. *		- -	5,000 -	S -	x -	2.5 0.2	ShCiFtrCpBo -	Br. Gravois Creek -	3
ALBANY		1,850 -	1,551 -	S -	0.088 -	2.5 0.19	ShCmAmCmDcrBo -	East Fork of Grand River	4
ALGOA	Reformatory	- 540-3	540 -	S -	.0675 -	- -	None -	Missouri River -	5
ALMA		357 -	329* -	S -	0.032 -	0.3 .03	Lo-- -	Lagoon -	6
APPLETON CITY		1,150 -	1,150 -	S* -	x* -	*0.6 *0.06	Lo* -	Branch of Monegaw Creek	7
ARBOR TERRACE		1,150 -	(1,150) -	C -	- -	- -	None (through St. Louis sewers)	Mississippi River -	8
ARCADIA		414 -	300 -	S -	0.04 -	0.4 0.04	GhCiFtnBo -	Stouts Creek -	9
ASH GROVE		970 -	950 -	S -	x -	1.6 x	ShCmFtrCmDoBo -	Branch of Pickerel Creek	10
ASHWELL PLACE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Ashwell Place (Subdivision)		11
ATWATER TERRACE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Atwater Terrace (Subdivision)		12
AURORA		4,153 -	3,500 -	S -	x -	4.0 0.40	ShCiFtrCpBo -	Douger Br. -	13
AUXVASSE		507 -	370 -	S -	x -	x x	Cs* -	Bynum Creek to Auxvasse Creek	14
AVA		1,611 -	1,200 -	S -	0.15 -	1.5 0.12	ShCiFtrCpBo -	Hunter Creek to N. Fork White R.	15
AVA	Carnation Co.	10 -	- -	20 H	0.030 -	- -	None -	Beaver Creek -	16
AVA	Twentieth Century Foods	x -	- -	20 F	x -	- -	None -	Beaver Creek -	17
BELLA VILLA (S.D.)		557 800-3	800 -	S -	x -	- -	None -	Gravois Creek -	18
BELLE		906 -	795 -	S -	0.08 -	0.8 0.05	ShCiFtrCpBo -	Terrill Creek -	19
BELLERIVE		183 -	(177) -	x -	x -	- -	None (through Normandy (S.D.) sewers)	Branch of Maline Creek	20
BEL NOR		1,290 -	1,280 -	S -	0.12 -	1.0 0.10	ScGhCp(AmCp)DpBo -	Normandy Creek to Maline Creek	21
BELTON		1,233 -	2,700 -	S -	0.216 -	4 0.4	*ScGhCmAaCm**Vv -	Branch of East Creek	22
BELVAIRE PLACE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Belvaire Place (Subdivision)		23
BERKELEY *	Plant #1	5,268 -	1,800 -	x -	x -	2.5 0.25	CmDoBo -	Branch of Coldwater Creek	24
BERKELEY	Plant #2	- -	1,000 -	x -	x -	1.25 0.125	CmDoBo -	Maline Creek -	25
BETHANY		2,714 -	2,480 -	S -	x -	2.5 0.25	CiFtrCpBo -	East Branch Big Creek	26
BEVERLY HILLS		938 437-3	(x) -	x -	x -	- -	None (through St. Louis sewers)	Mississippi River -	27
BISMARCK		1,244 -	995 -	S -	x -	1.2 0.12	ShCiFtrBo -	Beard Branch of Big River	28
BLAND		596 -	477 -	S -	0.05 -	0.8 0.08	ShCiFtnBo -	Branch of Dry Fork	29
BLUE SPRINGS	Adams Dairy	60 -	- -	20 H	0.25 C5	2.0 0.25	AaCmFthrCmEcDhBoLo -	Blue Branch of Sni-A-Bar Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	SM 5	W549.8-58- 4.0	2,400 0	0.3 -	x x	7 -	CFHJ -		
2	MR 14	0175.6-80- 12	*905 -	0 -	- -	7 -	CFHJ -	*Under construction.	
3	UM 18	M1156-1- 1-1	5,000 2,750E	*11.2 -	x x	1 -	ABEHKN -	*Estimate of flow during St. Louis study.	
4	MR 13	G142-41-3 -	1,661 150	0 -	- -	7 -	FH -		
5	MR 12	M135-8 -	540 540	*30,000 °18,000	30 5	0 -	ABEHK -	*Summer. °Winter	Estimated probable flow near Jefferson City, Mo.
6	MR 12	- -	450E 0	- -	- -	7 -	- -	*Connections not complete	**Lagoon constructed 1/2 ultimate design.
7	MR 14	0245-20 -	*1,150 -	0 -	- -	7 -	CFHJ -	*Under construction.	
8	UM 18	- -	- -	- -	- -	- -	- -		
9	SM 6	x -	300E 75E	0 -	- -	2 -	CFHIJ -		
10	MR 14	0235.3- 62-15	x* x*	0 -	- -	7 -	CDFHJ -	*New system.	
11	UM 18	- -	- -	- -	- -	- -	- -		
12	UM 18	- -	- -	- -	- -	- -	- -		
13	SM [illegible]	G(N)131- 100-15	5,100E 2,000E	0 -	- -	7 -	x -		
14	MR 12	M119.7-34- 3	370 370	0 -	- -	4 -	CFHJ -	*Not in use	
15	SM 5	W376-38-15 -	2,560 640	0 -	- -	7 -	CFHJ -		
16	SM 5	W376.4-38- 15	x 410E	0 -	- -	0 -	CFHJ -		
17	SM 5	W376-38-15 -	x 1,080E	0 -	- -	0 -	CFHJ -		
18	UM 18	M1156-1-1 -	800E 800E	x -	x x	0 -	ABEHKN -		
19	UM 19	M89-10-4 -	795 200E	0 -	- -	4 -	CFHJ -		
20	UM 18	- -	- -	- -	- -	- -	- -		
21	UM 18	M1171-8-1 -	1,280 150E	0 -	- -	7 -	ABEHK -		
22	MR 14	0110-5-17 -	2,700E 150E	0 -	- -	7 -	CFHJ -	*Plant under construction.	**Raw sludge filtration.
23	MR 12	- -	- -	- -	- -	- -	- -		
24	MR 12	M7.0-15.8- 1	1,800 1,200	0 -	- -	7 -	CFHJ -		
25	UM 18	x -	1,000 700	0 -	- -	7 -	CFHJ -		
26	MR 13	G108-20-1 -	2,480 1,000	0 -	- -	5 -	CFHJ -		
27	UM 18	- -	- -	- -	- -	- -	- -		
28	UM 19	M34-69-3 -	995 250E	0 -	- -	2 -	CFHJ -		
29	UM 19	M94-8-6 -	477 150E	0 -	- -	1 -	CFHJ -		
30	MR 12	M326.1- 14.5-5	2,060E 103E	0 -	- -	7 -	CDHL -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BOLIVAR		3,482 -	3,000 -	S -	0.3 -	5.0 0.5	SmCmFthCmDcBo -	Town Branch -	1
BOONE & CALLOWAY COUNTIES	Coal Mines	- -	- -	11 B	x -	- -	None -	Cedar Creek -	2
BOONVILLE		6,686 -	5,000 -	CS -	x -	- -	None -	Missouri River -	3
BOONVILLE	State Boys Home	- 470-3	470 -	S -	x -	- -	None -	Missouri River -	4
BOWLING GREEN		2,396 -	830 -	S -	0.065 -	2.0 0.15	CiFtrCpBo -	Noix Creek -	5
BRADLEYVILLE	Taney County Cheese Company	x -	- -	20 I	x -	- -	None -	Beaver Creek -	6
BRANSON		1,314 -	2,000-S -	S -	0.2 -	3.2 0.329	ShCmFthCmDoBo -	Lake Taneycomo White River	7
BRENTWOOD		7,504 -	(7,480) -	S -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	8
BRIDGEPORT SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Bridgeport (Subdivision)		9
BRIDGETON TERRACE		578 -	575 -	S -	0.05 -	0.6 0.06	CsFs -	Coldwater Creek -	10
BROOKFIELD		5,810 -	4,200 -	S -	0.6 -	7.0 0.70	SmCmFtrCmDcmrBo -	Ditch to West Yellow Creek	11
BROWNLEIGH SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Brownleigh (Subdivision)		12
BRUNSWICK		1,653 -	990 -	S -	x -	- -	None -	Grand River -	13
BUCKLIN	Baur & Horn Prod.	80-S -	- -	20 G	x -	x x	Cs -	Van Dorsen creek -	14
BUCKLIN	Reorganized School Dist. # 2	- 400-5	400 -	S -	0.008 -	0.4 0.008	CsFs -	Branch of Mussel Fork	15
BUDER PARK SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Buder Park (Subdivision)		16
BUFFALO		1,213 -	1,000 -	s -	0.15 -	x 0.18	ScCmFtrCmDoBo -	Branch of Lindley Creek	17
BURLINGTON JUNCTION		746 -	500 -	S -	0.03 -	- -	None -	Nodaway River -	18
BUTLER		3,333 -	2,250 -	S -	0.18 -	3.0 0.30	ShCiFtrCpBo* -	Mound Root Creek -	19
CABOOL		1,245 -	800 -	S -	0.13 -	2.0 0.25	ShCpFtrCpDcpBo -	Big Piney Creek -	20
CAIRO	Cairo School	- 200-3	200 -	S -	0.004 -	0.2 0.004	CsFs -	Branch of Mud Creek	21
CALIFORNIA	North Plant	2,627 -	1,100 -	S -	0.35* -	3.0 0.3	ScCmFtrCmVv [7 Aa(Cavitator)Cp]*	Brush Creek -	22
CALIFORNIA	South Plant	- -	1,100 -	S -	0.11 -	2.0 0.2	CmFtrCmDoBo -	Branch of North Moreau Creek	23
CALIFORNIA	Moniteau Mills	120 -	- -	22 A	x -	- -	None -	Brush Creek -	24
CALLOWAY COUNTY	State Prison Farm #2	- x	x -	x -	x -	x x	Cs -	Missouri River -	25
CAMDENTON	North Plant	1,142 -	100 -	S -	x -	x x	Cs -	Branch of Linn Creek	26
CAMDENTON	South Plant	- -	100 -	S -	x -	x x	Cs -	Niangua River -	27
CAMERON		3,570 -	2,100 -	S -	0.2 -	4.0 0.4	ScCmFtrCm*FsDoBo -	Branch of Shoal Creek	28
CAMPBELL		1,931 -	870 -	S -	0.08 -	1.8 0.09	ShCiBo -	Lost Creek to Dr. ditch #81	29
CANTON		2,490 -	1,250 -	S -	x -	- -	None -	Mississippi River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR	0187.2-	4,200	0.5	x	7	CFHJ		
	14	65-5	840	-	x	-	-		
2	MR	M138-35	Acid mine	0.6	x	0	ABEHK		
	12	-	drainage	-	x	-	-		
3	MR	M196.2	5,000	*26,810	30	0	ABEHK	*Summer. °Winter. Probable flow at Kansas City, Mo.	
	12	-	5.000	°14,480	5	-	-		
4	MR	M195	470	*26,810	30	0	ABEHK	*Summer °Winter probable flow at Kansas City, Mo.	
	12	-	470	°14,480	5	-	-		
5	UM	M1265-	830	0	-	1	cfhj		
	12	16-4	250E	-	-	-	-		
6	SM	x	320E	x	x	0	CFHJ		
	5	-	320E	-	x	-	-		
7	SM	x	2,000	*	*	7	CFHJI	*Discharge to impounded water.	Rosort town - high load in summer.
	5	-	400	-	*	-	-		
8	UM	-	-	-	-	-	-		
	18	-	-	-	-	-	-		
9	MR	-	-	-	-	-	-		
	12	-	-	-	-	-	-		
10	MR	M7-17.5	575	0	-	5	CFHJ		
	12	-	60	-	-	-	-		
11	MR	G32-3-20	4,400	0	-	7	CFHJ		
	13	-	440	-	-	-	-		
12	MR	-	-	-	-	-	-		
	12	-	-	-	-	-	-		
13	MR	G5	1,740	*224	30	0	CFHJ	*Summer **Winter Probable flows at Sumner	
	13	-	1.740	**153	5	-	-		
14	MR	G31-24-10	3,800E	0	-	4	cDhl		
	13	-	2,850E	-	-	-	CDHL		
15	MR	G31-24-9	400	0	-	7	CFHJ		
	13	-	40	-	-	-	-		
16	MR	-	-	-	-	-	-		
	12	-	-	-	-	-	-		
17	MR	0187.2-	1,600	0	-	7	CDFGHJ		
	14	40-38	240	-	-	-	-		
18	MR	M480.9-	500	*38	30	0	Cfhj	*Probable low mean monthly flow in Summer	
	12	71.6	500	-	5	-	-		
19	MR	0282-8-5	3,000	0	-	1	CFHJ	*Plant overloaded	
	14	-	1.000	-	-	-	-		
20	MR	G115.0-80	2,600	x	x	5	CFHJ		
	14	-	450	-	x	-	-		
21	UM	x	200	0	-	7	CFHJ		
	12	-	20	-	-	-	-		
22	MR	M157.5-11-	1,100	0	-	7	CFHJ	*Includes Ind. waste from Woolen Mill.	**Industrial waste treatment.
	12	9	70	-	-	-	-		
23	MR	M137.9-32-	1,100	0	-	7	CFHJ		
	12	3	220	-	-	-	-		
24	MR	M157.5-11-	1,800	0	-	0*	cDh	*Project under construction.	
	12	9	1,800	-	-	-	CDH		
25	MR	M145	x	x	x	x	ABEHK		
	12	-	x	-	x	-	-		
26	MR	0108-5	100	0	-	4	CFHIJ		
	14	-	80	-	-	-	-		
27	MR	0112.5-5	100	0	-	4	CFHIJ		
	14	-	80	-	-	-	-		
28	MR	G58-50-5	2,500	0	-	7	CFHJ	*Sand filter retained for critical flow periods	polishing treatment during
	13	-	250	-	-	-	-		
29	SM	x	870	0	-	1	CFHJ		
	6	-	670E	-	-	-	-		
30	UM	M1326	1,250	x	x	0	ABEHK		
	12	-	1,250	-	x	-	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
CAPE FAIR	Wilson Canning Co	50 -	- -	20 C	0.01 -	- -	None -	James River -	1
CAPE GIRARDEAU		21,578 -	16,200 -	CS -	x -	- -	None -	Mississippi River -	2
CARDINAL HILLS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Cardinal Hills (Subdivision)		3
CARL JUNCTION		1,006 -	700 -	S -	0.05 -	1.8 0.18	Lo* -	Center Creek -	4
CARROLLTON		4,380 -	4,200 -	S -	0.42 -	6.0 0.6	*C(Air)CmFtrCmDchBo -	Wakenda Creek -	5
CARSONVILLE S.D. *		- -	5,000 -	S -	x -	- -	None -	Maline Creek -	6
CARTERVILLE		1,552 -	250 -	S -	x -	- -	None -	Branch of Center Creek	7
CARTHAGE		11,188 -	10,800 -	S -	x -	10.0 1.0	ShEgCiFtnCpBo -	Spring River -	8
CARTHAGE	Carthage Creamery Co.	45 -	- -	20 L	x -	- -	None -	Spring River -	9
CARTHAGE	Pet Milk Co.	10 -	- -	20 J	x -	- -	None -	Spring River -	10
CARUTHERSVILLE		8,614 -	5,600 -	S -	x -	- -	None -	Mississippi River -	11
CASSVILLE		1,441 -	1,300 -	S -	x -	0.6 0.045	ShCiAmCpBo -	Flat Creek -	12
CENTRALIA		2,460 -	2,050 -	S -	0.2 -	2.5 0.25	ScCmFthCmDchBo -	Goodwater Creek to Salt River	13
CHAFFEE		3,134 -	2,500 -	S -	x -	4.0 0.3	ScCmFtrCmDoBo -	Drainage Ditch -	14
CHAMOIS		621 -	470 -	S -	x -	- -	None -	Missouri River -	15
CHARLESTON		5,501 -	4,800 -	S -	0.5 -	7.5 0.75	ShCmFtrCmVvXf -	Drainage ditch -	16
CHILLICOTHE		8,694 -	7,245 -	CS -	x -	- -	None -	Grand River -	17
CLARENCE		1,123 -	840 -	S -	0.5 -	0.85 0.051	ShCiFtrBo -	Crooked Creek to Salt River	18
CLAYTON		16,035 -	(15,925) -	C -	- -	- -	None (through St. Louis sewers)	Mississippi River -	19
CLINTON		6,075 -	4,550 -	S -	0.35 -	6.0 0.45	ShCiBo -	Coal Creek to S. Grand River	20
COBURG LANDS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Coburg Lands (Subdivision)		21
COBURG RIDGE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Coburg Ridge (Subdivision)		22
COLE CAMP		813 -	480 -	S -	0.030 -	1.2 0.12	ShCiFtrCiBo -	Cole Camp Creek -	23
COLUMBIA	Plant # 1	31,974 -	10,000 -	S -	2.0 -	20 0.2	SmGm(OaCm) AaCmDchBo	Flat Branch -	24
COLUMBIA	Plant # 2	- -	20,000 -	S -	1.8 -	15 1.8	GmCmFtrCmDchBo -	Hinkson Creek -	25
CONCORDIA	North Plant	1,218 -	300 -	s -	0.08 -	2.25 0.1	ShCmAaCmFthDoBo -	Branch of Davis Creek	26
CONCORDIA	South Plant	- -	700 -	S -	0.05 -	1.2 0.12	ScCiFtrCpBo -	Panther Creek -	27
CORSICANA	Barry County Canning Co.	x -	- -	20 C	x -	- -	None -	Flat Creek -	28
CRANE		939 -	400 -	S -	x -	1.8 0.1	ShCmFthCmDoBo -	Crane Creek -	29
CRESCENT ACRES SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Crescent Acres (Subdivision)		30

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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	SM 5	x -	1,800E 1,800E	x -	x x	0 -	x -		
2	UM 22	M1035 -	16,500E 16,500E	x -	x x	0 -	ABEHK -		
3	UM 18	- -	- -	- -	- -	- -	- -		
4	SM 4	G(N)131-36 -2	700E -	0 -	- -	7 -	CFHJ -	*Under construction.	
5	MR 12	M267.5-14 -	4,800 960E	0 -	- -	7 -	CFHJ -	*Plant under construction.	
6	UM 18	M1171-8 -	5,000 5,000	0 -	- -	0* **	CFHJ -	*Completion of partially completed plant.	**Should be replaced by trunk line to proposed area plant
7	SM 4	G(N)131-36 -11	250E 250E	0 -	- -	0 -	CFHJ -		
8	SM 4	G(N)131-69 -	11,200E 2,500E	x -	x x	1 -	CFHJ -		
9	SM 4	G(N)131-69 -	170E 170E	x -	x x	0 -	CFHJ -		
10	SM 4	G(N)131-69 -	360E 360E	x -	x x	0 -	CFHJ -		
11	SM 6	M870.8 -	5,600 5,600	x -	x x	7 -	ABEFJK -		
12	SM 5	W549.8-20- 25-20	1,860E 470E	x -	x x	1 -	CFHJ -		
13	UM 12	S77-13- 32-3	2,050 650E	0 -	- -	1 -	cfhj -		
14	SM 6	x -	2,500 120	x -	x x	7 -	CFHJ -		
15	MR 12	M116.3 -	470 470	* **	30 5	0 -	ABEHK -	*Summer 33,460 **Winter 21,070	
16	SM 6	x -	4,800 480	0 -	- -	7 -	CFHJ -		
17	MR 13	G60-4 -	10,245 10,245	*125 **96	30 5	0 -	CFHJ -	*Summer **Winter. Prob. low mean monthly flows.	
18	UM 12	S87.5-3 -	840 113E	0 -	- -	2 -	CFHJ -		
19	UM 18	- -	- -	- -	- -	- -	- -		
20	MR 14	0175.6-45 -	5,030 3,350	0 -	- -	1 -	CfHJ -		
21	UM 18	- -	- -	- -	- -	- -	- -		
22	UM 18	- -	- -	- -	- -	- -	- -		
23	MR 14	0171-22 -	480 60	0 -	- -	7 -	CFHJ -		
24	MR 12	M170-11-5- 1	10,000 1,000	0 -	- -	7 -	CFHJ -		
25	MR 12	M170-11-5 -	20,000 2,000	0 -	- -	7 -	CFHJ -	Treats by pass from activated sludge plant	plus south and east portion of city.
26	MR 12	M202.2-9.3 -51-11-2	2,100 150E	0 -	- -	7 -	CFHJ -		
27	MR 12	M202.3-9.3 -61-6	700 140	0 -	- -	7 -	CFHJ -		
28	SM 4	x -	750E 750E	x -	x x	0 -	CFHJ -		
29	SM 5	W549.8- 50-16	400 50	0 -	- -	7 -	CFHJ -		
30	UM 18	- -	- -	- -	- -	- -	- -		

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						TREATMENT FACILITIES			
COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
CROCKER		712 -	250 -	S -	0.02 -	1.2 0.15	ShCiFtrCpBo -	Branch of Tavern Creek	1
CRYSTAL CITY		3,499 -	3,460 -	S -	x -	- -	None -	Plattin Creek -	2
CRYSTAL LAKE PARK		167 -	(x) -	S -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	3
CUBA		1,301 -	955 -	S -	0.07 -	1.0 0.075	ShCp(AmCp)DcpBo -	Brush Creek -	4
CURTIS S. D.		- -	(1,500) -	CS -	- -	- -	None (Through St Louis Sewers)	Mississippi River -	5
DEEPWATER		885 -	450 -	S -	0.03 -	1.0 0.075	ShCiFtrCpBo -	Ratt Creek -	6
DE SOTO		5,357 -	3,320 -	S -	0.33 -	3.7 0.45	GhScCpFtrCpBo -	Joachim Creek -	7
DES PERES		1,172 -	70 -	S -	x -	x x	Cs -	Grand Glaize Cr. -	8
DEXTER		4,624 -	4,200 -	S -	0.4 -	6.0 0.6	ScCmFtrCpDhBo -	Ditch #81 to St. Francis River	9
DIXON		988 -	1,100 -	S -	0.03 -	1.0 0.06	ShCiFtrCpBo -	Maries Creek -	10
DONIPHAN		1,611 -	1,000 -	S -	x -	- -	None -	Current River -	11
EAST PRAIRIE		3,033 -	1,200 -	S -	x -	1.5 0.15	CiBo -	Drainage ditch -	12
EAST RIVERVIEW GARDENS S. D.		- -	1,000 -	S -	x -	- -	None -	Mississippi River -	13
EDINA	North Plant	1,607 -	600 -	S -	0.045 -	0.8 0.060	CiBo -	North Fork of South Fabius R.	14
EDINA	South Plant	- -	600 -	S -	0.045 -	0.8 0.060	CiBo -	South Fork of South Fabius R.	15
EDMUNDSON*		621 -	600 -	S -	0.060 -	0.6 0.06	CsFs -	Branch of Coldwater Creek	16
ELDON		2,766 -	2,250 -	S -	x -	5.0 0.24	ShCmFtrCmDoBo -	Blythe's Creek -	17
ELDORADO SPRINGS		2,618 -	2,400 -	S -	0.28 -	4.0 0.5	CmFtrCmDhLs -	Walnut Creek -	18
ELSBERRY		1,565 -	1,150 -	S -	x -	- -	None -	Mississippi River -	19
EMMA	Emma Creamery	18 -	- -	20 I	x -	* -	*Lo -	Branch of Davis Creek	20
EXCELSIOR SPRINGS		5,888 -	4,900 -	S -	x -	5.0 0.50	ShCiFtnCpBo -	East Fork of Fishing River Cr.	21
EXETER	Barry County Canning Co.	x -	- -	20 C	x -	- -	None -	Shoal Creek -	22
EXETER	Rush Canning Co.	x -	- -	20 C	x -	- -	None -	Shoal Creek to Spring River	23
EXETER	Sperandio Canning Co.	x -	- -	20 C	x -	- -	None -	Mikes Creek -	24
FAIRFAX		806 -	720 -	x -	x -	- -	None -	Tarkio River -	25
FARMINGTON		4,490 -	4,400 -	S -	x -	10.0 1.5	ScCmFtrCmDcfhBo -	Branch of Wolf Creek	26
FARMINGTON	State Hospital #4	- 1,700-3	2,000 -	S -	0.25 -	2.0 0.288	ShOCmFtrCmDcpBo -	St. Francis River -	27
FAYETTE		3,144 -	2,500 -	S -	0.1 -	2.0 0.2	Lo* -	Bonne Femme River -	28
FERGUSON (S.D.)		11,573 -	10,000 -	S -	x -	7.5 0.75	ScCmAmCmDchBo -	Maline Creek -	29
FESTUS		5,199 -	5,150 -	S -	x -	- -	None -	Plattin Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD)	STREAM FLOW FOR DESIGN		POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE		REMARKS	ADDITIONAL COMMENTS
			UNTREATED WASTE DISCHARGED WASTE	MINIMUM FLOW CFS	Duration (Days) Frequency (Years)		PRESENT	FUTURE		
	9	10	11	12	13	14	15		16	17
1	MR 14	050-50 -	250 25	0 -	- -	7 -	CFHJ	-		
2	UM 22	x -	3,460E 3,460E	x -	x x	0 -	CfHj	-		
3	UM 18	- -	- -	- -	- -	- -		- -		
4	UM 19	M94-11-7 -	955 150E	0 -	- -	4 -	CFHJ	-		
5	UM 18	- -	- -	- -	- -	- -		- -		
6	MR 14	0175.6- 32-3	450 45	0 -	- -	7 -	CFHJ	-		
7	UM 22	J20 -	3,370 2.800E	*1.2 -	- -	2 -	cfhjN	-	*Minimum flow 1936.	
8	UM 19	M21-2-1 -	x x	0 -	- -	x -	ABEHK	-		
9	SM 6	x -	4,200 840	0 -	- -	7 -	CFHJ	-		
10	MR 14	09.9-60 -	1,100 275	0 -	- -	7 -	CFHJ	-		
11	SM 5	W264.8- 96.2-51.3	1,000 1.000	0 -	- -	0 -	CFHIJ	-		
12	SM 6	x -	1,200 800	0 -	- -	1 -	CFHJ	-		
13	UM 18	M1176 -	1,000E 1.000E	x -	x x	x -	ABEHK	-		
14	UM 12	FL1-44-R25 -3	600 400	x -	x x	2 -	cfhjN	-		
15	UM 12	FL1-44-L25 -4	600 400	x -	x x	2 -	cfhjN	-		
16	MR 12	M7-15.8-2 -	600 60	0 -	- -	5 -	ACFHJ	-	*Same as Edmundson Terrace (Sub)-St. Louis Co.	
17	MR 12	M137.9-34- 21-8	8,250 1.000	0 -	- -	7 -	CFHJ	-		
18	MR 14	0253.9- 15-3	2,400 480	1.1* -	- -	7 -	CFHJ	-	*Spring flow	
19	UM 12	M1240 -	1,150E 1,150E	x -	x x	0 -	CFHJ	-		
20	MR 12	M202.2-9.3 -51-7	1,500 -	0 -	- -	7 -	CDHL	-	*Designed for 45 day retention	
21	MR 12	M337.9-13- 7.5	5,400 2.200	0 -	- -	1 -	CfHj	-		
22	SM 4	x -	1,200E 1,200E	x -	x x	0 -	CFHJ	-		
23	SM 4	x -	1,500E 1.500E	x -	x x	0 -	CFHJ	-		
24	SM 4	x -	1,200E 1,200E	x -	x x	0 -	CFHJ	-		
25	MR 12	M523.5- 13.2	720 720	*14 -	30 5	0 -	ABCFJ	-	*Low mean monthly flow - Summer.	
26	SM 6	x -	4,400E 900E	0.9 -	x x	7 -	CFHJ	-		
27	SM 6	x -	2,000E 20E	*0.1 -	- -	7 -	CFHJ	-	*Minimum recorded flow Sept. 2-30, 1939	
28	MR 12	M191.6-22 -	2,500 0	0 -	- -	7 -	CFHJ	-	*Under construction.	
29	UM 18	M1171-5 -	10,000 2,500	0 -	- -	1 -	CFHJ	-		
30	UM 22	x -	5,150E 5,150E	0 -	- -	0 -	CfHj	-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
FLAT RIVER		5,308 -	3,720 -	S -	x -	6.0 0.60	ShCiBo* -	Flat River -	1
FLORISSANT CITY		3,737 -	3,700 -	S -	x -	1.37 0.125	ShCmEgcDoBo -	Coldwater Creek -	2
FOREST HILLS TERRACE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Forest Hills Terrace (Subdivision)		3
FORT LEONARD WOOD	Fort Leonard Wood	- *30.000-3	*30,000 -	S -	x -	x x	Trickling filter plant	Big Piney River -	4
FREDERICKTOWN		3,696 -	3,000 -	S -	0.25 -	5.5 0.44	G(AirOscCmFtrCmDchBo -	Saline Creek -	5
FULTON		10,052 -	9,500 -	S -	8.5 -	12.0 1.2	G(air)SmCmFtrCmDch DoBoXd	Stinson Creek -	6
GAINESVILLE	Gainesville Cheese Co.	x -	- -	20 I	x -	- -	None -	North Fork of White River	7
GALENA	Galena Canning Co	130 -	- -	20 C	x -	- -	None -	James River -	8
GALLATIN		1,634 -	1,300 -	S -	0.13 -	1.7 0.17	ScCmFthCmDoBo -	Grand River -	9
GALT	Food Cannery	55-86 -	- -	20 C	x -	- -	None -	Medicine Creek -	10
GLADSTONE	Bolling Heights Plant # 1	* -	700 -	S -	0.07 -	0.7 0.07	CiFtrCp**Xd -	Creek to Missouri River	11
GLADSTONE	Bolling Heights Plant # 2	- -	350 -	S -	0.035 -	0.35 0.035	CiFtrCp**Xd -	Creek to Missouri River	12
GLADSTONE	Bolling Heights Plant # 3	- -	700 -	S -	0.07 -	0.7 0.07	CiFtrCp**Xd -	Creek to Missouri River	13
GLADSTONE	Northridge Plant	- -	1,500 -	S -	0.25 -	3.2 0.32	ShCiFtrCpBo -	Branch of Shoal Creek	14
GLADSTONE	Oak Park Plant	- -	800 -	S -	0.08 -	0.8 0.08	ShCiFtrCpDo**Xd -	Branch of Shoal Creek	15
GLASGOW		1,440 -	850 -	SC -	0.068 -	- -	None -	Missouri River -	16
GLENDALE		4,930 -	(1,200) -	S -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	17
GLEN ECHO PARK		217 -	(212) -	S -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	18
GOLDEN CITY		839 -	500 -	S -	0.05 -	1.5 x	ShCmFtrCmDoBo -	Muddy Fork -	19
GOODFELLOW TERRACE		503 -	(x) -	x -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	20
GRANT CITY		1,184 -	260 -	S -	x -	x x	CiBo -	Br. of Middle Fk. of Grand River	21
GRANTWOOD VILLAGE		133 -	133 -	C -	x -	- -	None -	Gravois Creek -	22
GREENFIELD		1,213 -	780 -	S -	0.10 -	1.5 0.11	CiBo (2 plants) -	Town Branch and Wilson Branch	23
GREEN PARK HILLS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Green Park Hills (Subdivision)		24
HAMILTON		1,728 -	1,030 -	S -	0.10 -	1.1 0.11	CiCi* FtnBo -	Branch of Lick Fork	25
HANLEY-PAGE EAST S. D.		- -	(3,000) -	S -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	26
HANNIBAL		20,444 -	14,400 -	S -	1.8 -	30.0 3.0	SmCmCmDfhr* -	Mississippi River -	27
HARRISONVILLE		2,530 -	2,500 -	S -	0.22 -	3.0 0.36	*ScCmFtrCmDoBo**Xd -	Br. of East Br. of S. Grand River	28
HARTVILLE	Kraft Food Co.	10 -	- -	20 H	x -	x x	Ap -	Branch of Woods Fork	29
HAYTI		3,302 -	2,160 -	S -	0.20 -	1.6 0.16	ShCiFtrCpBo -	Drainage Ditch -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 19	M34-90 -	3,720 3,720	x -	x x	2 -	CFHJ -	*Plant not used.	
2	MR 12	M7-12 -	3,700 2,500	0 -	- -	2 -	CFHJ -		
3	UM 18	- -	- -	- -	- -	- -	- -		
4	MR 14	G115.0-7 -	30,000 4,500	103 -	30 5	7 -	CFHJ -	*Population fluctuates.	
5	SM 6	x -	3,000 450	0 -	- -	7 -	CFHJ -		
6	MR 12	M119.7-8- 11	9,500 1,375	0 -	- -	7 -	CFHJ -		
7	SM 5	x -	720E 720E	0 -	- -	0 -	CFHJ -		
8	SW 5	W550-42 -	3,000 3,000	x -	x x	0 -	CFHIJ -		
9	MR 13	G90 -	1,300 210	*39 -	30 5	0 -	CFHJ -	*Low mean monthly flow.	
10	MR 13	G50-32 -	625 625	*2 **3	30 5	0 -	CF -	*Summer **Winter Low mean monthly flows.	
11	MR 12	x -	700 140	0 -	- -	7 -	ABCDEHJK -	*Incorporated after 1951. **Liquid sludge	
12	MR 12	x -	350 70	0 -	- -	7 -	ABCDEHJK -	**Liquid sludge.	
13	MR 12	x -	700 140	0 -	- -	7 -	ABCDEHJK -	**Liquid sludge.	
14	MR 12	x -	1,500 120	0 -	- -	7 -	ABCDEHJK -		
15	MR 12	x -	800 64	0 -	- -	7 -	ABCDEHJK -	**Liquid sludge.	
16	MR 12	M226.8 -	850 850	* **	30 5	0 -	ACEFHK -	*Summer 26,810 **Winter 14,480	Probable low mean monthly flow at Kansas City, Mo.
17	UM 18	- -	- -	- -	- -	- -	- -		
18	UM 18	- -	- -	- -	- -	- -	- -		
19	SM 4	x -	500 50	0 -	- -	7 -	ABCLFHJ -		
20	UM 18	- -	- -	- -	- -	- -	- -		
21	MR 13	G144-18-4 -	260 175	0 -	- -	4 -	CFHJ -		
22	UM 18	x -	133 133	0 -	- -	0 -	ABEHK -		
23	MR 14	O235.3- 55-12	1,032 760	0 -	- -	2 -	CFHJ -		
24	UM 18	- -	- -	- -	- -	- -	- -		
25	MR 13	G83-12 -	1,030 200E	0 -	- -	1 -	CFHJ -	*Imhoff tanks used in parallel or series.	
26	UM 18	- -	- -	- -	- -	- -	- -		
27	UM 12	M1291 -	18,000 11,830E	x -	x x	7 -	ABEHK -	*Sludge to river during high stages.	
28	MR 14	O175.6- 95-15	2,500 375	0 -	- -	7 -	CFHJ -	*Plant under construction.	**Liquid sludge.
29	MR 14	G255-1- -	130 30	0 -	- -	7 -	CDFH -		
30	SM 6	x -	2,160E 220E	x -	x x	7 -	CFHJ -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
HEEGE HILLS & VIEW SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Heege Hills & View (Subdivision)		1
HERCULANEUM		1,603 -	500 -	S -	x -	- -	None -	Meachim Creek -	2
HERMANN		2,523 -	2,300 -	S -	x -	- -	None -	Missouri River -	3
HICKMAN MILLS	Dist. # 3	- -	175 -	S -	0.013 -	0.175 0.013	CiFs -	Tributary to Big Blue River	4
HIGBEE	Randolf County R VIII School	- 260-5	260 -	S -	.0052 -	0.26 .0052	CsFs -	Branch of Moniteau Creek	5
HIGGINSVILLE	North Plant	3,428 -	1,200 -	S -	0.13 -	1.8 0.18	ShCiFtnBo -	Branch of Tabo Creek	6
HIGGINSVILLE	South Plant	- -	1,600 -	S -	0.16 -	2.0 0.15	CiFtnBo -	Branch of Davis Creek	7
HIGGINSVILLE	Buck's Slaughterhouse	x -	- -	20 E	x -	- -	None -	Tributary of Tabo Creek	8
HIGGINSVILLE	Loeheffner Custom Slaughtering	x -	- -	20 E	x -	- -	None -	Branch of Davis Creek	9
HIGGINSVILLE	State School	- 400-4	400 -	S -	0.04 -	0.4 0.04	Lo -	Branch of Tobo Creek	10
HOLDEN		1,765 -	1,175 -	S -	0.15 -	2.0 0.15	CiBo -	Branch of Blackwater River	11
HOLLISTER	School of Ozark Cannery	50 -	- -	20 C	x -	- -	None -	White River -	12
HORNERSVILLE		875 -	870 -	S -	x* -	1.0 -	Lo -	Drainage Ditch -	13
HOUSTON		1,277 -	400 -	S -	0.04 -	1.0 0.10	ScCiFtrCpBo -	Brushy Creek to Big Piney Creek	14
HUMANSVILLE	Wilson & Company	20 -	- -	20 I	0.022 -	x x	CsO -	Brush Creek -	15
HUNTLEIGH		180 -	(x) -	x -	- -	- -	None (Through St. Louis sewers)	Mississippi River -	16
INDEPENDENCE	East Plant	36,963 -	6,500 -	S -	x -	25 3.0	CmFtCmDfB -	Spring Branch Creek	17
INDEPENDENCE	West Side	- -	22,100 -	S -	2.5 -	- -	None -	Sugar Creek -	18
IRONTON		1,148 -	1,100 -	S -	x* -	1.5 0.15	Lo -	Branch of Stout's Creek	19
JACKSON		3,707 -	2,600 -	S -	0.25 -	5.5 0.55	ScCmFtrCmDhBo -	Hubble Creek -	20
JACKSON COUNTY S. D. #1	Outlet #1	- -	6,500 -	x -	x -	- -	None -	Sugar Creek -	21
JACKSON COUNTY S. D. #1	Outlet #2	- -	6,500 -	S -	x -	- -	None -	Missouri River -	22
JACKSON COUNTY	Friendly Homes	- 400-2	300 -	S -	x -	0.3 0.02	CsFs -	Branch to Indian Creek	23
JACKSON COUNTY	Jackson County Farm	- 1,200-3	1,200 -	S -	0.07 -	2.0 0.2	ShCpAmCmDpBo -	Dry Ravine -	24
JACKSON COUNTY	McCune Home	- 100-2	100 -	S -	x -	0.10 0.01	CsFs -	Creek to Little Blue River	25
JACKSON COUNTY	Ruskin Heights Subdivision	- 7,500-5	7,500 -	S -	0.56 -	9.68 0.726	ScCmFtrCmDfhBo -	Dry Creek to Little Blue River	26
Jackson county	Sni-A-Bar (N.E.)	- 200-2	200 -	S -	.012E -	0.200 0.015	CsFs -	Creek to Round Grove Creek	27
JACKSON COUNTY	Unity Farm	- 120-2	120 -	x -	x -	x x	CmD -	Little Cedar Creek	28
JACKSON COUNTY	Walker's Subdivision	- 580-3	580 -	S -	x -	0.6 0.06	CsFs -	Creek to Dykes Branch	29
JACKSON COUNTY	Westinghouse & Bendix	6,000 -	- -	34 C	1.25E CP	x x	Le (plating wastes) -	Indian Creek to Blue River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	- -	- -	- -	- -	- -	- -	- -		
2	UM 22	x -	500E 500E	0 -	- -	0 -	CFHJ -		
3	MR 12	M96.9 -	3,300E 3,300E	*33,460 °21,070	30 5	0 -	ABEHK -	*Summer °Winter Low mean monthly flows.	
4	MR 12	M368.7-24-3	175 45	0 -	- -	7 -	x -		
5	MR 12	x -	260 30	0 -	- -	7 -	CFHJ -		
6	MR 12	M310.8-8-5 -	1,200 600	0 -	- -	4 -	CFHJ -		
7	MR 12	M202.2-9.3-51-19-3	1,600 500	0 -	- -	4 -	CFHJ -		
8	MR 12	M310.8-8-5 -	1,200 1,200	0 -	- -	0 -	CFHJ -		
9	MR 12	M202.2-9.3-51-19-3	500 500	0 -	- -	0 -	CFHJ -		
10	MR 12	M310.9-8-5	400 *	0 -	- -	7 -	CFHJ -	*No discharge to date	
11	MR 12	M202.2-9.3-102-4	1,375 1,000	0 -	- -	4 -	CFHJ -		
12	SM 5	x -	500E 500E	x -	x x	0 -	x -		
13	SM 10	x -	x* x	x -	x x	7 -	CDFH -	*New system - contracts awarded.	
14	MR 14	G115-59-5 -	400 50	0 -	- -	7 -	CFHJ -		
15	MR 14	0235.3-18-20	880 620	0 -	- -	4 -	CDFHJL -		
16	UM 18	- -	- -	- -	- -	- -	- -		
17	MR 12	M345.7-18.2-7	6,500 1,300	0 -	- -	7 -	x -		
18	MR 12	M367.4-2 -	22,100 22,100	0 -	- -	0 -	x -		
19	SM 10	x -	x* x*	0 -	- -	7 -	CDEFHIJ -	*Bonds voted new system to be constructed.	
20	UM 22	H10-15 -	2,600 260	0 -	- -	7 -	CDFHJ -		
21	MR 12	M367.4-1 -	6,500 6,500	x -	x x	0 -	x -		
22	MR 12	M368.3 -	6,500 6,500	*26,810 -	30 5	0 -	ABEHK -	*Probable low Summer flow	
23	MR 12	M368.7-26-1.7-1.5-1	300 75	0 -	- -	1 -	CFHJ -		
24	MR 12	x -	1,200 240	0 -	- -	7 -	ABEHK -		
25	MR 12	M345.7-11.6-1	100 20	0 -	- -	7 -	CFHJ -		
26	MR 12	M345.7-42-2	7,500 1,000	0 -	- -	7 -	CFHJ -		
27	MR 12	M368.7-11.5-2.5-1	200 20	0 -	- -	7 -	ACFHJ -		
28	MR 12	M345.7-34-3	120 30	0 -	- -	2 -	x -		
29	MR 12	M368.7-26-1.7-1.5-.5	580 70	0 -	- -	7 -	CFHJ -		
30	MR 12	M368.7-26-0.5	22,000E 22,000E	*1 °4	30 5	1 -	BCFHJ -	*Summer °Winter low mean monthly flow-Blue River.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
JACKSON COUNTY	Worsall Gardens	- 420-3	300 -	S -	x -	0.31 x	CsFs -	Creek to dykes Branch	1
JASPER		776 -	700 -	S -	0.15 -	1.8 0.18	Lo -	North Fork of Spring River	2
JEFFERSON CITY		25,099 -	24,600 -	CS -	x -	- -	None -	Missouri River -	3
JEFFERSON CITY	City Aux. Prison	- 200-3	200 -	S -	x -	1.0 0.10	ShClFtrBo -	Missouri River -	4
JENKINS	Spirando Canning Co.*	x -	- -	20 C	x -	- -	None -	Branch to Flat Creek	5
JENNINGS (W. Walnut S.D.)		15,282 -	(12,000) -	S -	x -	- -	None (Through St. Louis sewers)	Mississippi River	6
JOPLIN		38,711 -	25,200 -	S -	2.6 -	45.0 5.7	ScGhCmFtrCmDfhBoL -	Turkey Creek -	7
JOPLIN	Crocker Packing Co.	40 -	- -	20 F	0.1 -	- -	None -	Turkey Creek -	8
JOPLIN	Joplin Rendering Co.	25 -	- -	20 P	0.43 -	- -	None -	Turkey Creek -	9
JOPLIN	Old Rock Distillery Co.	100 -	- -	20 O	0.144 -	- -	None -	Sheal Creek to Spring River	10
JOPLIN	Temco Roofing Co.	x -	- -	39 -	x -	- -	None -	Turkey Creek -	11
JOPLIN	Tri-State Packing Co.	25 -	- -	20 F	x -	- -	None -	Branch of Turkey Creek	12
KAHOKA		1,847 -	1,200 -	S -	0.15E -	2.0 0.20	ShCmKmcCmDcpBo -	Brush Creek -	13
KANSAS CITY		456,622 -	45,000 -	CS -	x -	- -	None -	Missouri River -	14
KANSAS CITY *		- -	305,000 -	CS -	x -	- -	None -	Blue River -	15
KANSAS CITY		- -	99,000 -	CS -	x -	- -	None -	Kansas River -	16
KANSAS CITY	American Asphalt Roofing Co.	200 -	- -	29 E	x -	- -	None -	Blue River -	17
KANSAS CITY	American Creosote Co.	35 -	- -	24 -	.016E CP	- -	None -	Blue River -	18
KANSAS CITY	Black, Sivalls, & Bryson	500 -	- -	34 EI	x -	- -	None -	Blue River -	19
KANSAS CITY	Chevrolet Assembly Plant	3,200 -	- -	34 E	0.9E CP	- -	None -	Blue River -	20
KANSAS CITY	Crestview Sub.	- 500-2	500 -	S -	x -	0.942 0.016	CsFs -	Rock Creek -	21
KANSAS CITY	Fisher Body Co.	1,200 -	- -	34 E	x -	- -	None -	Blue River -	22
KANSAS CITY	Ford Motor Assembly Plant	1,200 -	- -	34 E	0.22E CP	- -	None -	Blue River -	23
KANSAS CITY	Kopper Corp. Wood Preserving Div.	100 -	- -	24 -	0.12E CP	- -	None -	Blue River -	24
KANSAS CITY	Schenley Distilleries Inc.	100 -	- -	20 O	5.0E CP	- -	None -	Missouri River -	25
KANSAS CITY	Sheffield Steel Corp.	3,600 -	- -	33ACE & 34*	45.0E CP	- -	None -	Blue River -	26
KANSAS CITY	Union Wire Rope Corp.	530 -	- -	34 CDG	.005E CP	- -	None -	Blue River -	27
KANSAS CITY	Vendo Co.	1,000 -	- -	34 CE	x -	- -	None -	Blue River -	28
KENNETT		8,625 -	6,300 -	S -	0.65 -	8.0 0.8	ClFtrCmBo -	Buffalo Ditch -	29
KENNETT	Sinkers Corp.	x -	- -	x x	x -	- -	None -	Drainage Ditch -	30

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LINE No.	DRAINAGE BASIN	SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE	P.E. (BOD) DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days)	Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT	DOWNSTREAM WATER USE FUTURE	REMARKS	ADDITIONAL COMMENTS
	9		10	11		12	13		14	15		16	17
1	MR	12	M368.7-26- 1.7-1.5-.8	300	75	0 -	-	-	7 -	CFHJ	-		
2	SM	4	G(N)131-51 -20	1,300	0	0 -	-	-	7 -	CFHJ	-		
3	MR	12	M143 -	25,600	25,600	*29,000 °17,000	30	5	0 -	ABEHK	-	*Summer °Winter Est. low mean monthly flows.	
4	MR	12	x -	200	20	x -	x	x	7 -	ABEHK	-		
5	SM	5	x -	1,500E	1,500E	x -	x	x	0 -		x -	*Plant not operating in 1952.	
6	UM	18	- -	-	-	- -	-	-	- -		- -		
7	SM	4	G(N)131-35 -7	25,200E	2,000E	0 -	-	-	2 -	CFHJ	-		
8	SM	4	G(N)131-35 -7	4,000E	4.000E	0 -	-	-	0 -	CFHJ	-		
9	SM	4	G(N)131-35 -7	3,600E	3.600E	0 -	-	-	0 -	CFHJ	-		
10	SM	4	G(N)131-29 -	7,875E	7.875E	16 -	x	x	0 -	CFHJ	-		
11	SM	4	G(N)131-35 -7	x	x	0 -	-	-	0 -	CFHJ	-		
12	SM	4	G(N)131-35 -7	6,000E	6,000E	0 -	-	-	0 -	CFHJ	-		
13	UM	12	F25-5 -	1,800	600E	0 -	-	-	4 -	cfhjN	-		
14	MR	12	M377 -	105,400	105,400	*26,810 °14,480	30	5	0 -	ABEHK	-	*Summer °Winter Est. low mean monthly flows.	
15	MR	12	M368.7-2 -	342,000	342.000	*1 °4	30	5	0 -	ABEHK	-	*Summer °Winter Low mean monthly flows.	
16	MR	11	M378.9-3.0 -	281,200	281,200	*1,170 -	30	5	0 -	ABFK	-	*Expected low flow-Summer	
17	MR	12	M369.7-6 -	8,000	8,000	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
18	MR	12	M368.7-8 -	500	500	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
19	MR	12	M368.7-6 -	650	650	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
20	MR	12	M368.7- 10.8	10,000	10,000	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
21	MR	12	M374.2-2 -	500	50	0 -	-	-	5 -	ABEHK	-		
22	MR	12	M368.7- 10.8	2,700	2,700	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
23	MR	12	M368.7-5 -	4,560	4.560	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
24	MR	12	M368.7-9.8 -	1,650	1,650	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
25	MR	12	M375.6 -	70,000	70.000	*26,810 °14,480	30	5	0 orh	ABEHK	-	*Summer °Winter Low mean monthly flows.	
26	MR	12	M368.7-3 -	50,000	50.000	**1 °4	30	5	0 -	*CFHJ	-	*ACDGH **Summer °Winter Low mean monthly flows	
27	MR	12	M368.7-7.8 -	Inorganic	wastes	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flows.	
28	MR	12	M368.7-5.5 -	1,830	1.830	*1 °4	30	5	0 -	BCFHJ	-	*Summer °Winter Low mean monthly flow .	
29	SM	6	x -	6,300	1.600E	0 -	-	-	1 -	CFHJ	-		
30	SM	6	x -	*Inorganic	wastes	0 -	-	-	0 -	CFHJ	-	*Sulfuric acid	

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1		2	3	4	5	6	7	8	
KIRKSVILLE	North Plant	11,110 -	3,000 -	S -	x -	6.5 0.5	SmGmCmFtrCmDfhBo -	Branch of Steer Creek	1
KIRKSVILLE	South Plant	- -	2,800 -	S -	x -	8.0 0.8	SmGmCmFtrCmDfhBo -	Bear Creek -	2
KIRKWOOD	Leffingwell Plant	18,640 -	7,000 -	CS -	x -	9.0 0.90	Gr* ScCmAaCmDcfhBo -	Branch of Gravois Creek	3
KIRKWOOD	Sugar Grove Plant	- -	5,000 -	x -	x -	5.6 0.60	ShCmAmCmDcpBo -	Sugar Creek to Meramec River	4
KNOB NOSTER		585 -	750 -	S -	0.075 -	1.5 0.15	ShCmFtrCmDoBo -	Walnut Creek -	5
KOSHKONONG	Cudahy Packing Co	x -	- -	20 I	x -	- -	None -	Branch to Spring River	6
LACLEDE	Henderson Produce	108 -	- -	20 G	x -	x x	Cs -	Turkey Creek -	7
LADDONIA		599 -	150 -	C -	x -	- -	None -	Middle Lick Creek to Salt River	8
LADDONIA	Community School	- 210-5	210 -	S -	0.004 -	0.21 0.004	CsFs -	Branch of West Fk. Quirre River	9
LADUE		5,386 -	(4,000) -	x -	x -	- -	None (through St. Louis sewers*)	Mississippi River -	10
LADUE		- -	(4,000) -	x -	x -	- -	None (through St. Louis sewers*)	Mississippi River -	11
LADUE - DEER CREEK S. D. *		- -	(5,500) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	12
LA GRANGE		1,106 -	440 -	S -	x -	- -	None -	Mississippi River -	13
LAKE CITY	Lake City Ordnance Works	6,000 -	- -	34 *	0.46 CP	- 0.1**	AaKacCmLoLs -	Branch to Little Blue River	14
LAKE CITY	Lake City Ordnance Works	- -	6,000 -	S -	0.12 -	12.0 0.5	ScCmFthCmDfhBo -	Branch to Little Blue River	15
LAKE LOTAWANNA		- 1,600-3	220 -	S -	x -	0.2 0.02	CsFs (not operated) -	West Fork of Sni-a-Bar Creek	16
LAKE SHERWOOD SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Lake Sherwood (Subdivision)		17
LAKESIDE		- 125-1	125 -	S -	x -	x x	Cs -	Osage River -	18
LAKE TAPAWINGO		- 750-2	750 -	S -	x -	- -	None -	Cr. to E. Fork of Little Blue River	19
LAMAR		3,233 -	2,800 -	s -	0.30 -	5.0 0.4	Lo -	North Fork of Spring River	20
LA PLATA		1,331 -	1,200 -	S -	x -	1.5 0.105	CiFtnBo -	Long Br. to E. Fk of Chariton River	21
LATHROP		888 -	742 -	S -	x -	1.2 0.09	CiFtrBo -	Branch of Shoal Creek	22
LEAVENWORTH	Penitentiary Farm	- 120-2	120 -	S -	x -	- -	None -	Missouri River -	23
LEAWOOD*		1,167 6,000-3	5,000 -	S -	0.25 -	3.0 0.225	ShCmFtrCmDpBo* -	Dykes Branch -	24
LEBANON	Plant #1	6,808 -	360 -	S -	x -	x x	CiFtr -	Dry Auglaize Cr. -	25
LEBANON	Plant #2	- -	3,800 -	S -	0.50 -	10.0 0.54	ShCmFtrCmDcnbBo -	Dry Auglaize Cr. -	26
LEES SUMMIT		2,554 -	2,300 -	S -	0.25 -	5.0 0.533	ScCmFtrCmDoBo -	Cedar Creek -	27
LEES SUMMIT	Oldham Farm Sausage	6 -	- -	20 F	x -	x x	CsIs -	Subsurface -	28
LEES SUMMIT	Rice's Sausage Co	20 -	- -	20 F	0.011 -	- -	None -	Tributary of Cedar Creek	29
LEMAY FERRY S. D.		- -	10,000 -	S -	x -	- -	None -	Mississippi River -	30

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT / FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM	x	x	0	-	7	CFHJ		
	12	-	300E	-	-	-	-		
2	UM	S144-40	2,800E	0	-	7	CFHJ		
	12	-	280E	-	-	-	-		
3	UM	M1156-1-7	7,000E	0	-	7	ABEHK	*With aeration for	
	18	-	700E	-	-	-	-	grease removal.	
4	UM	M21-3	5,000E	0	-	7	ABEHK		
	19	-	500E	-	-	-	-		
5	MR	M202.2-	750	0	-	7	CDFH		
	12	9-3-70-15	75	-	-	-	-		
6	SM	x	560E	x	x	0	x		
	5	-	560E	-	x	-	-		
7	MR	G32-12-14	750	0	-	4	cdh		
	13	-	600	-	-	-	CDH		
8	UM	S63-16-15	150E	0	-	0	CFH		
	12	-	150E	-	-	-	-		
9	UM	x	210	0	-	7	CFHJ		
	12	-	20	-	-	-	-		
10	UM	-	-	-	-	-	-	*Via Ladue - Deer Creek	
	18	-	-	-	-	-	-	S.D.	
11	UM	-	-	-	-	-	-	*Via Two Mile S.D.	
	18	-	-	-	-	-	-		
12	UM	-	-	-	-	-	-		
	18	-	-	-	-	-	-		
13	UM	M1319	440E	x	x	0	ABEHK		
	12	-	440E	-	x	-	-		
14	MR	M345.7-14	-	0	-	7	CDHL	*ABCDFGHI	**Capacity of units for
	12	-	-	-	-	-	-		treating cyanide wastes.
15	MR	M345.7-	6,000	0	-	7	CDHL		
	12	14.9	360	-	-	-	-		
16	MR	M326.1-19-	220	0	-	4	CFHJ		
	12	8.1	220	-	-	+ 5	-		
17	UM	-	-	-	-	-	-		
	18	-	-	-	-	-	-		
18	MR	O81.0	125	795	30	7	CFHJ		
	14	-	100	-	5	-	-		
19	MR	*	750	0	-	0	CFHJ	*M345.7-22.3-2.3-1.5	
	12	-	750	-	-	-	-		
20	SM	G(N)131-51	3,400	0	-	7	CFHJ		
	4	-20-20	0	-	-	-	-		
21	MR	C5-10-40-	1,200	0	-	1	CFHJ		
	13	18	300	-	-	-	-		
22	MR	G58-65	990	0	-	1	CFHJ		
	13	-	225	-	-	-	-		
23	MR	M410	120	*26,810	30	0	ABCFJ	*Summer °Winter	
	12	-	120	°14,480	5	-	-		
24	MR	M368.7-26-	5,000	0	-	4	CFHJ	*Town located in Kansas.	
	12	1.7-3	750	-	-	-	-	Trt. plant is in Missouri	
25	MR	O100.5-5	360	0	-	7	CFHJ		
	14	-45	40	-	-	-	-		
26	MR	O100.5-5-	7,550	0	-	7	CFHJ		
	14	45	1,620	-	-	-	-		
27	MR	M345.7-	2,300	0	-	7	CFHJ		
	12	39-2.5	560	-	-	-	-		
28	MR	-	310	-	-	0	-		
	12	-	0	-	-	-	-		
29	MR	M345.7-39-	1,440	0	-	0	CDFHJ		
	12	3.5-1	1,440	-	-	-	D		
30	UM	M1155	10,000E	x	x	x	ABEHK		
	18	-	10,000E	-	x	-	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
LE MAY GARDENS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Le May Gardens (Subdivision)		1
LEXINGTON		5,074 -	2,350 -	S -	x -	- -	None -	Missouri River -	2
LIBERTY		4,709 -	4,500 -	S -	x -	- -	None -	Old Channel to Missouri River	3
LINN	Ashley Milk Co.	8 -	- -	20 L	0.03 -	x 0.03	CpFth -	Loose Creek -	4
LINN CREEK		162 -	108 -	S -	x -	0.2 0.02	CsFs -	Linn Creek -	5
LINVIEW DRIVE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Linview Drive (Subdivision)		6
LOCKWOOD		791 -	780 -	S -	0.06 -	0.9 x	ShCiFtrCmBo*Xd -	Horse Creek to Sac River	7
LOUISIANA		4,389 -	3,050 -	S -	x -	- -	None -	Mississippi River -	8
McKNIGHT S. D.		- -	(1,500) -	x -	- -	- -	None (through St. Louis sewers)	Mississippi River -	9
MACON		4,152 -	2,500 -	CS -	x -	3.0 0.20	ShEgCiFtnBo -	Branch of Cut Off Creek	10
MAITLAND		456 -	433 -	S -	x -	- -	None -	Nodaway River -	11
MALDEN		3,396 -	2,500 -	S -	0.20 -	7.5 0.75	G(Air)ScCmFtrCm DchBo*Xd	Drainage Ditch # 81	12
MANSFIELD		963 -	900 -	S -	0.112 -	2.0 0.112	SmCmFtrCmDoBo -	Branch to Wolf Creek	13
MAPLEWOOD		13,416 -	(13,200) -	CS -	- -	- -	None (through St. Louis sewers)	Mississippi River -	14
MARCELINE	South Plant	3,172 -	1,000 -	S -	0.075 -	1.44 0.11	EgCiBo -	Locust Branch to Clark Branch	15
MARCELINE	West Plant	- -	1,400 -	S -	0.11 -	2.16 0.16	EgCiBc -	Branch of East Yellow Creek	16
MARGONA		306 -	(x) -	x -	- -	- -	None (through Carson -ville S.D. sewers)	Maline Creek -	17
MARIA CREEK S. D.		- -	(3,000) -	CS -	- -	- -	None (through St. Louis sewers)	Mississippi River -	18
MARIONVILLE		1,167 -	300 -	S -	0.02 -	1.2 0.06	ShCiFtrCpDcmhBo -	Honey Creek -	19
MARIONVILLE	Marionville Canning Co.	35 -	- -	20 C	x -	- -	None -	Honey Creek -	20
MARSHALL	North Plant	8,850 -	5,000 -	S -	x -	4.025 0.304	ScCmFtrCpDcmrBo -	Branch of Salt Fork Creek	21
MARSHALL	South Plant	- -	2,500 -	S -	x -	4.025 0.304	ShCiFtrCpBo -	Cass Creek -	22
MARSHFIELD		1,925 -	1,400 -	S -	0.26E -	*1.4 *.176	ShCmFtrCpDopBo -	Branch of Niangua River	23
MARTINSBURG		296 -	200 -	S -	x -	- -	None -	L'Outre River -	24
MARYVILLE	East Plant	6,834 -	4,000 -	S -	x -	5.0 0.5	ScSmCmFtrCmDfBo -	102 River -	25
MARYVILLE	S. W. Plant	- -	1,800 -	S -	0.18 -	4.0 0.4	ScCmFtrCmDfBo -	Creek to White Cloud Creek	26
MAYSVILLE		973 -	700 -	S -	x -	1.0 -	ShCiFtrCpBo -	West Fork of Lost Creek	27
MELROSE S. D.		- -	(6,000) -	SC -	x -	- -	None (through St. Louis sewers)	Mississippi River -	28
MEMPHIS		2,035 -	2,000 -	S -	0.2 -	x 0.25	SmCmAmCpDchBo -	Creek to North Fabius River	29
MENDON	Northwest School Dist. #1	- 210-5	210 -	S -	0.004 -	0.21 0.004	CsFs -	Branch of Yellow Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM 18	- -	- -	- -	- -	- -	- -		
2	MR 12	M321 -	2,350 2,350	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer °Winter. Low mean mo. flow at K.C.,Mo.	
3	MR 12	M360.8-4 -	4,700 4,700	0 -	- -	0 -	ABEHK -		
4	MR 12	M126-16 -	360 64	0 -	- -	2 -	ch CDFH		
5	MR 14	0108-3 -	108 15	x -	x x	7 -	CFHIJ -		
6	UM 18	- -	- -	- -	- -	- -	- -		
7	MR 14	0235.3- 25-50	780 127	0 -	- -	7 -	CDFHIJ -	*Sludge hauled wet.	
8	UM 12	M1263 -	3,050 3,050	x -	x x	0 -	ABEHK -		
9	UM 18	- -	- -	- -	- -	- -	- -		
10	UM 12	S76-50- 15-3	3,800 950	0 -	- -	4 -	cfhj -		
11	MR 12	M480.0- 41.5	433 433	*38 °24	30 5	0 -	CfHj -	*Summer °Winter At Burlington Junction.	
12	SM 6	x -	2,500 250	0 -	- -	7 -	CFHJ -	*Liquid sludge.	
13	MR 14	G260-10 -	1,500 200	0 -	- -	7 -	CDFHIJL -		
14	UM 18	- -	- -	- -	- -	- -	- -		
15	MR 13	C31-12-11- 2	1,000 670	0 -	- -	2 -	CFHJ -		
16	MR 13	G32-12 -	1,400 540	0 -	- -	2 -	CFHJ -		
17	UM 18	- -	- -	- -	- -	- -	- -		
18	UM 18	- -	- -	- -	- -	- -	- -		
19	SM 4	G(N)131- 100-19	300 75	0.7 -	x x	7 -	CFHJ -		
20	SM 4	G(N)131- 100-19	935 935	0 -	- -	0 -	CFHJ -		
21	MR 12	M202.2-9.3 -12-14	5,000 500	0 -	- -	1 -	CFHJ -		
22	MR 12	M202.2-9.3 -12-14	4,500 450	0 -	- -	1 -	CFHJ -		
23	MR 14	0112.9-110 -	3,200 600	0 -	- -	x -	CFHJ -	*Plus unspecified amount of industrial waste	
24	MR 12	x -	200 200	0 -	- -	0 -	ABEHK -		
25	MR 12	M402.5-79- 59	4,000E 600E	3 -	30 5	7 -	CFH -		
26	MR 12	M402.5-79- 42-14-4	1,800 270	0 -	- -	7 -	CFH -		
27	MR 13	G112-10-5 -4	700 100	0 -	- -	7 -	CFHJ -		
28	UM 18	- -	- -	- -	- -	- -	- -		
29	UM 12	FR1-70 -	2,000 300E	0 -	- -	7 -	CFHJ -		
30	MR 13	G32-15 -	210 20	0 -	- -	7 -	CFHJ -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
MEXICO		11,623 -	8,700 -	S -	0.87 -	10.0 1.0	GhScCmFtrCmDcmhBo -	Beaver Dam Creek Goodwater Creek	1
MILAN	East Plant	1,972 -	200 -	S -	x -	x x	Cs -	East Locust Creek -	2
MILAN	South Plant	- -	500 -	S -	x -	1.2 0.12	CiBo -	East Locust Creek -	3
MOBERLY	East Plant	13,115 -	8,000 -	S -	0.8 -	16.45 1.07	ScG(air)CmFtrCm DcotBo	Elk Fork Creek -	4
MOBERLY	West Plant	- -	4,000 -	S -	0.4 -	6.32 0.53	ScG(air)CmFtrCmDcBo	Troublesome Creek	5
MOBERLY	Meat Packing Plant	8 -	- -	20 F	0.002 -	x x	I -	Troublesome Creek -	6
MONETT		4,771 -	3,500 -	S -	x -	10.0 0.72	ScCmFtrCmDcmrhBo -	Kelley Creek to Shoal Creek	7
MONETT	Sperandio Canning Co.	70 -	- -	20 C	x -	- -	None -	Flat Creek -	8
MONROE CITY		2,093 -	1,800 -	S -	0.2 -	4.1 0.25	SmCmFtrCmVvXd -	Branch of Indian Creek	9
MONTGOMERY CITY		1,679 -	1,200 -	S -	0.12 -	1.2 0.12	Lo -	Clear Fork to L'Outre River	10
MONTICELLO		154 -	(304) -	CS -	- -	- -	None (through St. Louis sewers)	Mississippi River -	11
MOUND CITY		1,412 -	880 -	S -	x -	- -	None -	Davis Creek -	12
MOUNTAIN GROVE		3,106 -	1,500 -	S -	0.23E -	2.5 0.25	ShCiFtrCpBo -	Whetstone Creek -	13
MOUNTAIN VIEW		892 -	892 -	S -	x -	1.08 0.108	ShCiFtrCpBo -	Branch of Eleven Point River	14
MT. VERNON		2,057 -	1,300 -	S -	x -	4.0 0.40	ShCmFtrCmDthBo -	Williams Creek -	15
NEOSHO		5,790 -	5,700 -	S -	1.20 -	*12.6 1.73	GhScCmFthCmDcmfprEg Bo	Shoal Creek -	16
NEVADA	North Plant	8,009 -	4,500 -	S -	0.45 -	6.0 0.6	GhScCmAaCmDchBo -	Branch of Marmaton River	17
NEVADA	South Plant	- -	2,500 -	S -	0.25 -	4.0 0.4	GhAaScCmDchCmBo -	Branch of Marmaton River	18
NEVADA	State Hospital #3	- 2,700-5	2,700 -	S -	0.5 -	3.0 0.5	ShCiFtrCmBo -	Branch of Marmaton River	19
NEWBURG		949 -	150 -	S -	x -	x x	x* -	Little Piney Creek	20
NEW CAMBRIA	School	- 250-5	250 -	S -	0.005 -	0.25 0.005	CsFs -	Puzzle Creek -	21
NEW FRANKLIN		1,060 -	1,000 -	C -	x -	- -	None -	Bonne Femme Creek -	22
NEW HAVEN		1,009 -	950 -	S -	x -	- -	None -	Missouri River -	23
NEW LONDON	Elementary School	- 250-5	250 -	S -	0.004 -	0.25 0.004	CsFs -	Branch of Salt River	24
NEW MADRID		2,726 -	2,000 -	S -	x -	- -	None -	Mississippi River -	25
NIXA	Consolidated Products Co.	x -	- -	20 x	x -	- -	None -	Finley River -	26
NIXA	Wilson & Co.	25 -	- -	20 I	0.023 -	x x	C 7 -	Finley River -	27
NORBORNE		1,114 -	1,050 -	S -	x -	x x	CiBo -	Ditch to Moss Cr. -	28
NORMANDY (S.D.)		2,306 2,500-3	2,300 -	S -	x -	- -	None -	Branch of Maline Creek	29
* NORTHDALE		- x	150 -	x -	x -	0.145 x	Cs -	Unamed Creek to Mississippi River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	UM 12	S76-32 -3	8,700 930E	0 -	- -	7 -	CFHJ -		
2	MR 13	G42-30-44 -	200 150	0 -	- -	2 -	CFHJ -		
3	MR 13	G42-30-44 -	2,300 490	0 -	- -	2 -	CFHJ -		
4	UM 12	S76-10-48 -	8,000 800	0 -	- -	7 -	CFHJ -		
5	MR 13	C5-10-15 -	4,000 800	0 -	- -	7 -	CFHJ -		
6	MR 13	C5-10-3- 12-15	1,400 0	0 -	- -	7 -	CFHJ -		
7	SM 4	G(N)131-29 -46-12	5,700E 660E	0 -	- -	7 -	CFHJ -		
8	SM 4	G(N)131-29 -46-12	1,875E 1,875E	0 -	- -	0 -	CFHJ -		
9	UM 12	S66-15 -	3,370 x	0 -	- -	7 -	CFHJ -		
10	MR 12	M95.5-29-8 -	1,200 0	0 -	- -	7 -	CFHJ -		
11	UM 18	- -	- -	- -	- -	- -	- -		
12	MR 12	M500-13.5- 2.5	880 880	0 -	- -	0 -	CFHJ -		
13	MR 14	G110-245- 25	3,400 850	0 -	- -	1 -	CfHj -		
14	SM 5	x -	x x	0 -	- -	7 -	CFHJ -		
15	SM 4	G(N)131-97 -5	1,300 300	x -	x x	7 -	CFHJ -		
16	SM 4	G(N)131-29 -30	8,900E 1,250E	1.5 -	12 x	1 -	CFHJ -	*Plus unspecified amount of industrial wastes.	
17	MR 14	O273.5-15- 3.2	4,500 675	0 -	- -	7 -	CFHJ -		
18	MR 14	O273.5- 15-3.3	2,500 375	0 -	- -	7 -	CFHJ -		
19	MR 14	O273.5-15- 3.2	2,700 400	0 -	- -	7 -	CFHJ -		
20	MR 14	G108-4 -	150 150	x -	x x	2 -	CFHJ -	*Facilities not used	
21	MR 13	C60-5 -	250 25	0 -	- -	7 -	CFHJ -		
22	MR 12	M191.6-7 -	1,000 1,000	0 -	- -	0 -	CFHJ -		
23	MR 12	M80.7 -	950 950	*33,460 -	30 5	0 -	ABEHK -	*Summer period	
24	UM 12	x -	250 25	0 -	- -	7 -	CFHJ -		
25	SM 6	M911.8 -	2,000E 2,000E	x -	x x	7 -	ABEFJK -		
26	SM 5	W550-56-4 -	2,000E 2.000E	0 -	- -	0 -	CFHJ -		
27	SM 5	W550-56-4 -	1,625 1.600E	0 -	- -	4 -	CFHJ -		
28	MR 12	M292-13.9- 1.3	1,050 800	0 -	- -	4 -	CFHJ -		
29	UM 18	M1171-6-1 -	2,300E 2,300E	0 -	- -	0 -	cfhjN -		
30	UM 18	x -	150 35E	0 -	- -	4 -	cfhjN -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	TREATMENT FACILITIES AVERAGE DAILY FLOW MGD 5	Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
NORTH KANSAS CITY		3,886 -	6,000 -	SC -	x -	- -	None -	Missouri River -	1
NORTH KANSAS CITY	Corn Products Refining Co.	750 -	- -	20 R	1.5 -	- -	11 (A waste recovery process)	Missouri River -	2
NORTHWOODS		1,602 -	(x) -	x -	- -	- -	None (through St. Louis sewers)	Mississippi River -	3
NOVINGER	Adair Co. Rural School Dist. # 1	 500-5	500 -	S -	0.01 -	0.05 0.01	CsLo -	Chariton River -	4
OAKLAND		1,041 -	800 -	SC -	x -	1.5 0.15	ScCmAmCmDcpBo -	Gravois Creek -	5
ODESSA		1,969 -	1,750 -	S -	0.15 -	4.0 0.4	ScCiFtrCpBo -	Branch of Davis Creek	6
O'FALLON		789 -	1,840* -	S** -	x** -	**2.4 **.24	**ShCmFtrCmDopBo °Xd	Branch of Peruque Creek	7
OLIVETTE		1,761 -	(700) -	x -	- -	- -	None (through St. Louis sewers*)	Mississippi River -	8
OSCEOLA		1,082 -	460 -	S -	x -	x x	Cs -	Osage River -	9
OSCEOLA	Riverview Cheese Company	15 -	- -	20 I	0.05 -	- -	None -	Osage River -	10
OVERLAND		11,566 -	(x) -	x -	- -	- -	See St. Johns-Overland S. D.	Coldwater Creek -	11
OWENSVILLE		1,946 -	1,770 -	S -	0.175 -	1.85 0.185	ShCiFtrCpBo -	Fork of Redoak Creek	12
OZARK		1,087 -	820 -	S -	0.05 -	1.2 0.12	ShCiFtrCpBo -	Finley River -	13
PACIFIC		1,985 -	1,190 -	S -	x -	1.8 0.18	ShCiFtrCpEcgBo -	Meramec River -	14
PALMYRA		2,295 -	1,950 -	S -	x -	2.0 0.15	CiBo -	North River -	15
PARIS		1,407 -	1,100 -	S -	0.11 -	1.7 0.17	Lo -	Middle Fork of Salt River	16
PARK HILLS (Platte County)		- 515-4	515 -	S -	.0525 -	0.515 .0525	CiFtrCp* -	Branch of White Aloe Creek	17
PASADENA HILLS		1,102 -	(1,102) -	C -	- -	- -	None (through St. Louis sewers)	Mississippi River -	18
PASADENA PARK		682 -	(682) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	19
PERRY		813 -	400 -	S -	0.4 -	0.5 0.05	Lo -	Lick Creek -	20
PERRYVILLE	East Plant	4,591 -	2,800 -	S -	0.28 -	3.5 0.35	ShCiFtrCpEgBo -	Branch of Cape Cinque Hommes R.	21
PERRYVILLE	South Plant	- -	1,400 -	S -	0.14 -	3.8 0.38	ScCmFtrCmVvXp -	Branch of Cape Cinque Hommes R.	22
PIEDMONT	Plant #1	1,548 -	1,000 -	S -	x -	x x	CsIs -	McKenzie Creek -	23
PIEDMONT	Plant #2	- -	x -	S -	x -	1.0 0.1	ShCiFtrCpBo -	McKenzie Creek -	24
PIERCE CITY		1,156 -	600 -	S -	0.06 -	1.6 0.16	ShCmFtrCmDoBo -	Clear Creek -	25
PILOT GROVE	East Plant	635 -	260 -	S -	0.02 -	0.4 0.03	CiFtrCiBo -	Branch of Petite Saline Creek	26
PILOT GROVE	North Plant	- -	260 -	S -	0.02 -	0.4 0.03	CiFtrCiBo -	Creek to Lamine River	27
PINE LAWN (S.D.)		6,425 -	(6,000) -	SC -	- -	- -	None (through St. Louis sewers)	Mississippi River -	28
PINEVILLE	Onda Canning Co.	55 -	- -	20 C	x -	- -	None -	Sugar Creek -	29
PINEVILLE	Ted Sammon Poultry Co.	15-20 -	- -	20 G	x -	x x	x -	Sugar Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M377 -	58,300 58,300	*26,810 **14,480	30 5	0 -	ABEHK -	*Summer **Winter. Low mean monthly flows	
2	MR 12	M376.3 -	53,000 53,000	*26,810 -	30 5	2 -	ABEHK -	*Summer	
3	UM 18	- -	- -	- -	- -	- -	- -		
4	MR 13	C170 -	500 0	0.1 -	30 x	7 -	CFHJ -		
5	UM 18	x -	800 30E	0 -	- -	7 -	ABEHK -		
6	MR 12	M202.2- 9.3-51-36	1,750 350	0 -	- -	7 -	CFHJ -		
7	UM 12	M1223-2-3 -	x** x**	0 -	- -	7 -	CFHJ -	*Additional 400 students in Summer.**Under constr.	*Liquid sludge.
8	UM 18	- -	- -	- -	- -	- -	- -	*Via University City	
9	MR 14	0230.9 -	460 375	100 -	30 5	4 -	CFHIJ -		
10	MR 14	0230.9 -	1,400 1,400	100 -	30 5	0 -	* -	*CDEFG**HIJK	**Shellfish used in button manufacture.
11	MR 12	- -	- -	- -	- -	- -	- -		
12	UM 19	M75-10-2 -	1,770 110E	0 -	- -	7 -	CFHJ -		
13	SM 5	W550-56-14 -	820 80	14.1 -	x x	7 -	CFHJ -		
14	UM 19	M34 -	1,190 120E	x -	x x	4 -	CFHIJ -		
15	UM 12	N8 -	1,950 910E	x -	x x	2 -	CFHJ -		
16	UM 12	S76-5-8-12 -	1,100 0	0 -	- -	7 -	CFHJ -		
17	MR 12	M390-3.5 -	515 130	0 -	- -	7 -	CFHJ -	*Sludge hauled wet.	
18	UM 18	- -	- -	- -	- -	- -	- -		
19	UM 18	- -	- -	- -	- -	- -	- -		
20	UM 12	x -	400 0	0 -	- -	7 -	CFHJ -		
21	UM 22	C16 -	2,800 300	0 -	- -	7 -	CFHJ -		
22	UM 22	C16 -	1,400 140	0 -	- -	7 -	CFHJ -		
23	SM 5	x -	1,000 x	x -	x x	4 -	CFHJ -		
24	SM 5	x -	x x	x -	x x	4 -	CFHJ -		
25	SM 4	G(N)131- 29-50-24	*600 **60	0 -	- -	7 -	CFHJ -	During canning season add *1500. **150	
26	MR 12	M177-37-2 -	260 80	0 -	- -	5 -	CFHJ -		
27	MR 12	M202.2-6-5 -	260 80	0 -	- -	5 -	CFHJ -		
28	UM 18	- -	- -	- -	- -	- -	- -		
29	SM 4	G(N)131-29 -50-24	1,500E 1,500E	0 -	- -	0 -	CFHIJ -		
30	SM 4	G(N)115-25 -2	300E 300E	0 -	- -	1 -	CFHIJ -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION / ESTIMATED POPULATION / NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM / IND. GROUP / WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) / Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
PLATE CITY		742 -	560 -	S -	x -	0.6 0.04	CiFtrBo (not operated)	Plate River -	1
PLATTSBURG		1,655 -	1,200 -	S -	0.12 -	2.0 0.2	ShG(airOscCmDfchCm Bo*Xd	Horse Fork Creek -	2
PLEASANT HILL		2,200 -	1,650 -	S -	0.10 -	2.5 0.188	Cs -	Big Creek -	3
POINT BREEZE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Point Breeze (Subdivision)		4
POLK	Cannery*	20 -	- -	20 x	x -	- -	None -	Panther Creek -	5
POPLAR BLUFF		15,064 -	6,800 -	S -	x -	- -	None -	Ditch and Black River	6
POPLAR BLUFF	Poplar Bluff Packing Company	x -	- -	20 F	x -	- -	None -	Branch to Black River	7
PORTAGEVILLE		2,662 -	2,000 -	S -	0.2E -	5.0 0.5	ScCmFthCmDfhBo -	Portege Bay to Little River	8
POTOSI	Plant #1	2,359 -	1,180 -	S -	x -	x x	CsLo -	Mine Breton Cr. to Mineral Fork	9
POTOSI	Plant # 2	- -	1,500 -	S -	0.15 -	4.0 0.42	ShCiFtrCmBo -	Branch of Mine Breton Creek	10
PRINCETON		1,506 -	800 -	SC -	x -	- -	None -	Weldon River -	11
PUXICO		749 -	280 -	S -	x -	- -	None -	Frisco RR Ditch to Mingo River	12
RAVENWOOD	Ravenwood Coop Creamery	8 -	- -	20 L	0.005 -	- -	None -	Branch to Platte River	13
RAYTOWN	Reitz Packing Co.	35 -	- -	20 F	0.03 -	x x	CmFthCmFth -	Round Grove Creek -	14
REEDS SPRINGS	Emerson Canning Co.	120 -	- -	20 C	x -	- -	None -	Roan Creek -	15
REPUBLIC		965 -	900 -	S -	0.09 -	1.4 0.14	ScCmFtnCmDoBo -	Branch of Pickerel Creek	16
RICHMOND		4,299 -	3,600 -	S -	0.36 -	7.2 0.6	ScCmFtrCmDoBo*Xd -	West Fork of Crooked River.	17
RICHMOND HEIGHTS		15,045 -	(14,800) -	SC -	- -	- -	None (through St. Louis sewers)	Mississippi River -	18
RIDGEDALE	Oxford Canning Co	x -	- -	20 C	x -	- -	None -	Shoal Creek -	19
RIDGEWAY		560 -	160 -	S -	0.002 -	0.8 0.06	CiFtnBo -	Branch of East Fork of Big Creek	20
RIDGLEY	Rush Canning Co.	x -	- -	20 C	x -	- -	None -	Branch to Shoal Creek	21
ROCK HILL VILLAGE		3,847 -	(3,800) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	22
ROCKPORT		1,511 -	1,000 -	S -	x -	- -	None -	Rock Creek -	23
ROLLA	East Plant	9,354 -	3,950 -	S -	0.35E -	5.0 0.5	ChScCmFtrCmDcmrBo -	Burgher Branch of Lt. Dry Fork Cr.	24
ROLLA	South Plant	- -	6,500 -	S -	0.65 -	12.0 1.2	SgCmFtrCmDhBo -	Love Creek -	25
ROLLA	Vichey Plant	- -	100 -	S -	0.014 -	1.2 0.12	ScCmAmCmDhBo -	Branch of Spring Creek	26
ROSE GARDENS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Rose Gardens (Subdivision)		27
ST. ANN'S HILLS		- 3.200-2	3,200 -	S -	x -	3.2 0.32	ScCmAmCmDchBo -	Coldwater Creek -	28
ST. ANN'S VILLAGE *		4,557 -	4,560 -	S -	x -	1.4 0.218	ShCiFs -	Coldwater Creek -	29
ST. CHARLES		14,314 -	13,750 -	SC -	x -	- -	None -	Missouri River -	30

(1)

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 12	M402.5- 15.8	560 560	*20 -	30 5	4 -	CFHJ -	*Summer	
2	MR 12	M402.5- 26.5-33-.1	1,200 120	0 -	- -	7 -	CFHJ -	*Liquid sludge.	
3	MR 14	0175.6- 53-60	1,650 1,133	0 -	- -	4 -	CFHJ -		
4	UM 18	- -	- -	- -	- -	- -	- -		
5	MR 14	0187.2- 20-2	360 360	x -	x x	0 -	CFHJ -	*Plant not in operation for three years.	
6	SM 5	M264.8- 210.9	7,100E 7,100E	0 -	- -	0 -	CFHJ -		
7	SM 5	MR264.8- 210.9	960E 960E	0 -	- -	0 -	CFHJ -		
8	SM 6	x -	2,000 200	x -	x x	7 -	CFHJ -		
9	UM 19	M34-59- -	1,180 590E	x -	x x	4 -	cfhj -		
10	UM 19	M34-59- -	1,500 300	0 -	- -	7 -	CFHJ -		
11	MR 13	G64-28-30 -	800 800	0 -	- -	0 -	CFHJ -		
12	SM 6	x -	280 280	x -	x x	0 -	BCFHJ -		
13	MR 12	M402.5- 16-1	45 45	0 -	- -	0 -	CEH -		
14	MR 12	M368.7- 11.5-4	3,492 1,045	0 -	- -	1 -	CDL -		
15	SM 5	M549.8-38- 8	2,800 2.800	0 -	- -	0 -	CFHJ -		
16	MR 14	C235.3-94- 2-2	900 90	0 -	- -	7 -	CFHJ -		
17	MR 12	M316.1-12- 5	3,600 720	0 -	- -	4 -	CFHJ -	*Liquid sludge.	
18	UM 18	- -	- -	- -	- -	- -	- -		
19	SM 4	x -	1,500E 1,500E	x -	x x	0 -	CFHJ -		
20	MR 13	G108-20- 10-5	160 40	0 -	- -	1 &5	CFHJ -		
21	SM 4	x -	1,200E 1.200E	x -	x x	0 -	CFHJ -		
22	UM 18	- -	- -	- -	- -	- -	- -		
23	MR 12	M539.1-9 -	1,000 1,000	0 -	- -	0 -	CHJ -		
24	UM 19	M167.3-17- 5-2	3,950 400E	0 -	- -	7 -	CFHJ -		
25	UM 19	M167.2-17- 5-0.1	6,500 650	0 -	- -	7 -	CFHJ -		
26	MR 14	G90-15 -	100 20	0 -	- -	7 -	x -		
27	UM 18	- -	- -	- -	- -	- -	- -		
28	MR 12	M7-18 -	3,200 190	0 -	- -	7 -	CFHJ -		
29	MR 12	M7.0-18.5 -	4,560 3,200	0 -	- -	1 -	CFHJ -		
30	MR 12	M28.1 -	14,970 14,970	*33,460 °21,070	30 5	0 -	ABEHK -	*Summer °Winter low mean monthly flows.	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ST. CLAIR		1,779 -	1,150 -	S -	x -	1.3 0.87	ShCiFtrCpBo -	Hamilton Creek -	1
STE. GENEVIEVE		3,992 -	290 -	S -	x -	0.3 0.03	CiBo -	North Gabouri Creek	2
STE. GENEVIEVE		- -	3,400 -	S -	x -	- -	None -	North Gabouri Creek	3
ST. GEORGE		642 -	(642) -	S -	x -	- -	See Afton S.D. -	Branch of Cravois Creek	4
ST. JAMES		1,811 -	1,200 -	S -	x -	2.25 0.225	ShCiFtrCpBo -	Dry Fork Creek (Robinson Cr.)	5
ST. JOHN		2,499 -	(x) -	x -	- -	- -	See St. John's-Overland S. D.	Coldwater Creek -	6
ST. JOHNS-OVERLAND S. D. *		- -	20,000 -	S -	x -	16.0 1.6	ScCmAmCmDcfmpratBo -	Coldwater Creek -	7
ST. JOSEPH		78,588 -	58,900 -	x -	15.0E [illegible]	- -	None -	Missouri River -	8
ST. JOSEPH	Anchor Serum Co.	101 -	- -	28 C	0.05E P	- -	None -	Missouri River -	9
ST. JOSEPH	Armour & Co.	1,000 -	- -	20 F	1.8E CP	- -	None -	Missouri River -	10
ST. JOSEPH	Consumer's Co-op	x -	- -	28 C	x -	- -	None -	Missouri River -	11
ST. JOSEPH	Mokin Produce Co.	125 -	- -	20 G	0.13E P	- -	None -	Missouri River -	12
ST. JOSEPH	Swift & Co.	1,800 -	- -	20 F	6.1E CP	- -	None -	Missouri River -	13
ST. LOUIS *		856,796 -	840,000 -	C -	x -	- -	None -	Mississippi River -	14
ST. LOUIS	Ford Motor Co., Lincoln-Merc. Div	2,200 -	- -	34 x	x -	- -	None -	Coldwater Creek -	15
ST. LOUIS	Ford Motor Co. Lincoln-Merc. Div	- -	2,200 -	S -	x -	x x	ShCmAmCmDpBo -	Branch of Coldwater Creek	16
ST. LOUIS	Jefferson Barracks	- x	x -	x -	x -	- -	None -	Mississippi River -	17
ST. LOUIS	McDonnell Aircraft Co.	6,000 -	- -	34 x	x -	- -	None -	Coldwater Creek -	18
ST. LOUIS	McDonnell Aircraft Co.	- -	6,000 -	S -	x -	x x	CmAmCmEgDfhBo -	Branch of Coldwater Creek	19
ST. LOUIS	Naval Air Station #34	- x	x -	S -	x -	x x	ShCmAmCmDcpBo -	Coldwater Creek -	20
ST. LOUIS	Naval Air Station #40	- x	x -	S -	x -	x x	ShCiFtrCpBo -	Coldwater Creek -	21
ST. LOUIS COUNTY	S. D. #1	- -	(600) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	22
ST. LOUIS COUNTY	S. D. #3	- -	(1,800) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	23
ST. LOUIS COUNTY	S. D. #5	- -	(320) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	24
ST. LOUIS COUNTY	Ashwell Place Subdivision	- x	70 -	S -	x -	x x	CsFs -	River Des Peres -	25
ST. LOUIS COUNTY	Atwater Terrace (Subdivision)	- 525-3	370 -	S -	x -	0.06 0.006	CiFtr (not used) -	Branch of Maline Creek	26
ST. LOUIS COUNTY	Belvaire Place (Subdivision)	- 120-3	120 -	S -	x -	0.12 x	CiFs -	East Branch of Coldwater Creek	27
ST. LOUIS COUNTY	Bridgeport (Subdivision)	- 60-2	60 -	x -	x -	0.04 x	Cs -	Coldwater Creek -	28
ST. LOUIS COUNTY	Brownleigh (Subdivision)	- 900-2	(900) -	x -	- -	- -	See Berkeley Plant #1	Branch of Coldwater Creek	29
ST. LOUIS COUNTY	Suder Park Subdivision	- 400-2	(400) -	S -	x -	- -	see St. Ann's Village	Coldwater Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM 19	M75-2.5 -	1,150 120E	x -	x x	7 -	CFHJ -		
2	UM 22	x -	290 190E	x -	x x	5 -	cfhj -		
3	UM 22	x -	3,400E 3.400E	x -	x x	0 -	c.hj -		
4	UM 18	- -	- -	- -	- -	- -	- -		
5	UM 19	M165-4-2 -	1,200 120E	0 -	- -	7 -	CFHJ -		
6	MR 12	- -	- -	- -	- -	- -	- -		
7	MR 12	M7-18 -	20,000 4,800	*1.0 -	x x	1 -	CFHJ -	*Average flow	
8	MR 12	M460 -	144,780 144,780	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer. °Winter. Low mean mo. flow at K.C., Mo	
9	MR 12	M460 -	16,600 16.600	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer.°Winter. Low mean mo. flow at K. C., Mo.	
10	MR 12	M460 -	229,200 229.200	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer.°Winter.Low mean mo. flow at K. C., Mo.	
11	MR 12	M460 -	x x	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer.°Winter. Low mean mo. flow at K. C., Mo.	
12	MR 12	M460 -	3,320 3,320	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer.°Winter. Low mean mo. flow at K. C., Mo.	
13	MR 12	M460 -	165,000 165.000	*26,810 °14,480	30 5	0 -	ABEHK -	*Summer.°Winter. Low mean mo. flow at K. C., Mo.	
14	UM 18	M1156 to M1171	840,000E 840.000E	x -	x x	x -	ABEHK -		
15	MR 12	M7-14 -	Inorganic wastes	0 -	- -	0 -	CFHJ -		
16	MR 12	M7-15.8- -	2,200 220	0 -	- -	7 -	CFHJ -		
17	UM 18	M1154 -	x x	x -	x x	x -	ABEHK -		
18	MR 12	M7-15 -	Inorganic wastes	0 -	- -	0 -	CFHJ -		
19	MR 12	M7-15.8- -	6,000 600	0 -	- -	7 -	CFHJ -		
20	MR 12	M7-16 -	x x	0 -	- -	7 -	CFHJ -		
21	MR 12	M7-16 -	x x	0 -	- -	7 -	CFHJ -		
22	UM 18	- -	- -	- -	- -	- -	- -		
23	UM 18	- -	- -	- -	- -	- -	- -		
24	UM 18	- -	- -	- -	- -	- -	- -		
25	UM 18	x -	x x	*0 -	- -	x -	x -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
26	UM 18	M1171-4-1 -	370 370	0 -	- -	4 or6	CFHJ -		
27	MR 12	M7-11-3 -	120 10	0 -	- -	5 -	CFHJ -		
28	MR 12	M7-17 -	60 50	0.25 -	x x	2 -	CFHJ -		
29	MR 12	- -	- -	- -	- -	- -	- -		
30	MR 12	- -	- -	- -	- -	- -	- -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ST. LOUIS COUNTY	Cardinal Hills (Subdivision)	- x	55 -	x -	x -	x x	CsFs (2 plants) -	Gravois Creek -	1
ST. LOUIS COUNTY	Coburg Lands (Subdivision)	- x	300 -	S -	.007E -	0.3 0.03	ShClBo -	Wet Weather Creek -	2
ST. LOUIS COUNTY	Coburg Ridge (Subdivision)	- 112-3	112 -	S -	0.01 -	0.13 0.01	CsFs -	Wet Weather Creek -	3
ST. LOUIS COUNTY	Crescent Acres (Subdivision)	- x	x -	x -	x -	x x	CpEg -	Branch of Gravois Creek	4
ST. LOUIS COUNTY	Forest Hills Terrace (Subdiv.)	- x	76 -	S -	x -	0.09 0.007	CsFs -	Maline Creek -	5
ST. LOUIS COUNTY	Green Park Hills (Subdivision)	- x	200 -	x -	x -	x x	Cs -	Gravois Creek -	6
ST. LOUIS COUNTY	Heege Hills and View Subdivision	- x	1,130 -	x -	x -	x x	Cs -	Branch of River Des Peres	7
ST. LOUIS COUNTY	Lake Sherwood Subdivision	- x	50 -	x -	x -	x x	ClFs -	Branch of River Des Peres	8
ST. LOUIS COUNTY	Le May Gardens Subdivision	- x	250 -	S -	x -	0.45 0.045	ShClBo -	Gravois Creek -	9
ST. LOUIS COUNTY	Linview Drive Subdivision	- x	x -	x -	x -	- -	None -	Branch of Gravois Creek	10
ST. LOUIS COUNTY	Point Breeze Subdivision	- x	135 -	x -	x -	x x	Cs -	Branch of Gravois Creek	11
ST. LOUIS COUNTY	Rose Gardens (Subdivision)	- x	390 -	S -	x -	x x	ScCmAsCmDcX* -	Gravois Creek -	12
ST. LOUIS COUNTY	Staley Avenue (Subdivision)	- x	95 -	x -	x -	x x	CsFs -	Branch of River Des Peres	13
ST. LOUIS COUNTY	Victoria Park (Subdivision)	- x	240 -	S -	x -	0.24 0.019	CsFs -	Branch of River Des Peres	14
ST. LOUIS COUNTY	Wellston Hills (Subdivision)	- x	50 -	x -	x -	x x	Cs -	River Des Peres -	15
ST. LOUIS COUNTY	Wickham Park (Subdivision)	- 100-2	100 -	x -	x -	0.1 x	CsFs -	East Branch of Coldwater Creek	16
SALEM (Dent County)		3,611 -	2,420 -	S -	0.13 -	3.0 0.15	ShClFtrCpBo -	Spring Creek -	17
SALISBURY		1,676 -	1,200 -	S -	0.12 -	2.7 0.27	ScCmFtrCmDchBo -	Branch of Puzzle Creek	18
SANTA FE HILLS		- 1,200-3	(1,000) -	S -	x -	- -	None (through Kansas City sewers)	Blue River -	19
SARCOXIE		1,042 -	300 -	S -	x -	1.2 0.12	Cl -	Center Creek -	20
SAVANNAH		2,332 -	2,000 -	S -	0.2 -	2.5 0.25	ScClFtrCpBo -	Dillon Creek -	21
SCHUERMAN HEIGHTS		306 -	50 -	x -	x -	- -	None -	Coldwater Creek -	22
SEDALIA	North	20,354 -	4,000 -	S -	0.375 -	10.0 0.75	ShCmFtnDcmpBo -	Brushy Creek -	23
SEDALIA	Southeast	- -	4,000 -	S -	0.40 -	4.7 0.50	ScCmFtrCmDthmBo -	Breakfact Branch -	24
SEDALIA	West	- -	4,000 -	S -	0.25 -	11.5 0.95	GhShClFtmBo -	Sewer Branch -	25
SEDALIA	Ideal Packing Co.	2 -	- -	20 F	x -	x x	Cs -	Breakfact Branch of Flat Creek	26
SEDALIA	Kehl Packing Co.	4 -	- -	20 F	x -	x x	Cs -	Sewer Branch of Muddy Creek	27
SEDALIA	Sedalia Air Base	- x	x -	S -	x -	x x	ShCmAcCmDcEcBo -	Clear Creek -	28
SENATH		1,520 -	970 -	S -	x -	1.2 0.09	ClBo -	Pole Cat Ditch -	29
SEYMOUR		1,015 -	300 -	S -	0.045 -	1.0 0.1	ShClFtrCpBo -	Finley Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (000) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	UM 18	M1156-1-1 -	55E 35E	0 -	- -	3or 4*	ABEHK -	*By trunk line to proposed area plant	
2	UM 18	K1171-2-1 -	300 210	0 -	- -	x -	CFHJM -		
3	UM 18	x -	112 35	0 -	- -	7 -	CFHJN -		
4	UM 18	M1156-1-6 -	x x	0 -	- -	4 -	ABEHKN -		
5	UM 18	M1171-2 -	76E 36E	0 -	- -	5 -	cfHJN -		
6	UM 18	M1156-1-4 -	175E 135E	0 -	- -	2 -	ABEHK -		
7	UM 18	x -	1,130 x	*0 -	- -	x -	ABEHK -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
8	UM 18	x -	50 5	*0 -	- -	x -	ABEHK -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
9	UM 18	M1156-1-3 -	255E 170E	0 -	- -	2 -	ABEHKN -		
10	UM 18	M1156-1 -7-1	x x	0 -	- -	0 -	ABEHKN -		
11	UM 18	M1156-1-2 -	135 105	0 -	- -	2 -	ABEHKN -		
12	UM 18	M1156-1-5 -	340E 38E	0 -	- -	7 -	ABEHK -	*Sludge hauled by truck to land disposal.	
13	UM 18	x -	95 70	*0 -	- -	x -	ABEHK -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
14	UM 18	x -	240 35E	*0 -	- -	x -	ABEHK -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
15	UM 18	x -	50 x	*0 -	- -	x -	ABEHK -	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
16	MR 2	M7-11-2 -	100 10	0 -	- -	5 -	CFHJ -		
17	UM 19	M167.3-30- 8	2,420 600	x -	x x	1 -	CFHJ -		
18	MR 13	C36-5 -	1,200 240	0 -	- -	7 -	CFHJ -		
19	MR 12	- -	- -	- -	- -	- -	- -		
20	SM 4	C(M)131-36 -34	300E 200E	0 -	- -	1 -	CFHJ -		
21	MR 12	M472-14 -	2,000 300	0 -	- -	7 -	CFHJ -		
22	MR 12	M7-19 -	50 50	0 -	- -	0 -	CFHJ -		
23	MR 12	M202.2-29- 40-3	4,000 400	1.0 -	x x	2 -	CFHJ -		
24	MR 12	M202.2-54- 10-2.8	5,000 500	0 -	- -	2 -	CFHJ -		
25	MR 12	M202.2-29- 34-4	8,500 850	*1.85 -	x x	2 -	CFHJ -	*Average flow	
26	MR 12	M202.2- 64-10-3	720 600	0 -	- -	4 -	CFHJ -		
27	MR 12	M202.3-29- 34-5	360 300	0 -	- -	4 -	CFHJ -		
28	MR 12	M202.2- 9.3-76-	x x	0 -	- -	x -	CFHJ -		
29	SM 4	x -	970E 630E	0 -	- -	1 -	CFHJ -		
30	SM 5	M550-56-50 -	700 x	0 -	- -	7 -	CFHJ -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	Treatment 7	Discharge to 8	LINE No.
SHELBINA		2,113 -	1,800 -	S -	x -	3.73 0.275	ScGhCmAaCmDchBo -	Branch of Clear Creek	1
SHREWSBURY		3,382 -	(3,370) -	SC -	x -	- -	None (through St. Louis sewers)	Mississippi River -	2
SIKESTON		11,640 -	9,000 -	S -	1.0 -	18.0 1.8	ScAaCmDhTmBo -	Drainage Ditch -	3
SKIDMORE		485 -	250 -	S -	0.025 -	0.65 0.087	ShCiFtrCpBo -	Creek to Nodaway River	4
SLATER		2,836 -	2,100 -	S -	x -	x x	SgCmAmCmDfhBo -	Bear Creek -	5
SMITHVILLE		947 -	850 -	S -	x -	x x	CiBo (not operated)	Little Platte River	6
SOUTH LACKLAND S. D.		- -	(2,500) -	S -	- -	- -	See St. Johns- Overland S. D.	Coldwater Creek -	7
SOUTHWEST WEBSTER S.D.		- -	2,000 -	S -	x -	2.0 0.2	CmAmCmDcrBo -	River Des Peres -	8
SPRINGFIELD	Northwest Plant	66,731 -	8,000 -	S -	0.808 -	12.0 1.08	ScGmCmAamCmEDcmrBo -	Dry Sac Fork to Little Sac River	9
SPRINGFIELD	Southwest Plant	- -	69,490 -	S -	x -	70.0 7.0	SgmGmApOaCtFoCmFtr CmDcefmrsBo	Wilson Creek -	10
SPRINGFIELD	MFA Fertilizer	31-50 -	- -	28 C	0.002 -	- x	SL -	James River -	11
STALEY AVENUE SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Staley Avenue (Subdivision)		12
STANBERRY		1,651 -	1,115 -	S -	x -	- -	None -	Wild Cat Creek -	13
STEELE		2,360 -	1,200 -	S -	x -	- -	None -	Drainage Ditch -	14
STOCKTON		811 -	30 -	S -	x -	x x	Cs -	Stockton Branch -	15
STOCKTON	Stockton Cheese Company	16 -	- -	20 I	x -	- -	None -	Stockton Branch of Sac river	16
SUGAR CREEK		1,858 -	1,480 -	S -	x -	- -	None -	Sugar Creek to Missouri River	17
SUGAR CREEK	Standard Oil Refinery	1,150 -	- -	29 A	12.0 -	x x	OmLs 7(separators) -	Sugar Creek -	18
SULLIVAN		3,019 -	2,400 -	S -	x -	3.0 0.3	GpShCiFtrCpBo -	Branch of Spring Creek	19
SWEET SPRINGS		1,439 -	720 -	S -	x -	2.0 0.108	ShCiFtrCpBo -	Davis Creek -	20
TARKIO		2,221 -	1,660 -	S -	x -	- -	None -	Tarkio River -	21
THAYER	McCluer Cheese Co	10 -	- -	20 I	0.002 -	x x	C7 (grease traps) -	Spring River -	22
TIPTON		1,234 -	1,050 -	S -	0.060 -	1.25 0.075	ShCiFtrCpBo -	Branch of Moniteau Creek	23
TRENTON		6,157 -	2,800 -	SC -	x -	- -	None -	Thompson River -	24
TROY		1,738 -	1,560 -	S -	0.13 -	1.6 0.12	ShCiBo -	Cuivre River -	25
TWO MILE S. D. *		- -	(2,000) -	S -	- -	- -	None (through St. Louis sewers)	Mississippi River -	26
UNION		2,917 -	2,800 -	S -	0.25 -	3.6 0.36	Lo* -	Bourbeuse River -	27
UNIONVILLE	North Plant	2,050 -	300 -	S -	0.03 -	0.4 0.04	CiFtnBo -	Branch of North Blackbird Creek	28
UNIONVILLE	South Plant	- -	1,500 -	S -	0.15 -	1.6 0.16	CiFtnBo -	Branch of South Blackbird Creek	29
UNIVERSITY CITY *		39,892 -	(39,000) -	SC -	- -	- -	None (through St. Louis sewers)	Mississippi River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT	DOWNSTREAM WATER USE FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 12	S87-4-8 -	2,800 120E	0 -	- -	1 -	cfhj	-		
2	UM 18	- -	- -	- -	- -	- -	-	-		
3	SM 6	x -	9,000 900	0.5 -	x x	7 -	CFHJ	-		
4	MR 12	M480.9-49 -	250 50	0 -	- -	5 -	CFHJ	-		
5	MR 12	M238-10 -	2,100 200	0 -	- -	7 -	CFHJ	-		
6	MR 12	M402.5- 26.5-9	850 850	0 -	- -	2 A5	CH	-		
7	MR 12	- -	- -	- -	- -	- -	-	-		
8	UM 18	x -	2,000 200	*0 -	- -	7 -	ABEHK	-	*River is dry most of the time. Dry weather flow	enters the St. Louis sewer system thru catch basins in river bottom.
9	MR 14	0235.3- 45-55	8,000 800	0 -	- -	1 -	CFHJ	-		
10	SM 5	M550-20-16 -	69,490E 11,100E	0 -	- -	4 -	CFHJ	-		
11	SM 5	M550-20-16 -	Inorganic wastes	0 -	- -	1 -	CFHJ	-		
12	UM 18	- -	- -	- -	- -	- -	-	-		
13	MR 13	C147-5 -	1,115 1,115	0 -	- -	0 -	CFHJ	-		
14	SM 6	x -	1,200E 1,200E	x -	x x	0 -	CFHJ	-		
15	MR 14	0235.3- 38-2.5	30 20	0 -	- -	4 -	CFHJ	-		
16	MR 14	0235.3- 38-2.5	1,040 1,040	0 -	- -	0 -	cdL	CDFH		
17	MR 12	M367.1-1.5 -	1,490 1,480	* -	- -	0 -	L	-	*Greatly influenced by Missouri River	
18	MR 12	M367.4-1 -	35,600 17,800	* -	- -	7 -	ABEHKL	-	*Greatly influenced by Missouri River	
19	UM 19	M106	2,400 250E	x -	x x	1 -	CFHJ	-		
20	MR 12	M232.2-9.3 -51-0.5	1,320 100	*2.25 -	x x	7 -	CFHJ	-	*Average flow	
21	MR 12	M523.5-21 -	1,660 1,660	*14 -	30 5	0 -	CFHJ	-	*Summer flow at Fairfax, Missouri.	
22	SM 5	x -	600 600E	x -	x x	4 -	CFHIJ	-		
23	MR 12	M157.5-39 -	1,050 100	0 -	- -	1 -	CFHJ	-		
24	MR 13	C64-26 -	2,800 2,800	*33 -	30 5	0 -	CFHJ	-	*Summer period	
25	UM 12	C26-2 -	1,560 1,000	0.3 -	x x	4 -	CFHIJ	-		
26	UM 18	- -	- -	- -	- -	- -	-	-		
27	UM 19	M62-10 -	2,800 0	x -	x x	7 -	CFHIJ	-	*Under construction.	
28	MR 13	C148-9- R20-5	300 75	0 -	- -	2 -	CFHJ	-		
29	MR 13	C148-9- L20-5	1,500 700	0 -	- -	2 -	CFHJ	-		
30	UM 18	- -	- -	- -	- -	- -	-	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
VALLEY PARK		2,956 -	2,000 -	S -	x -	- -	None -	Meramec River -	1
VANDALIA		2,624 -	1,575 -	S -	0.14 -	2.7 0.20	ShGpCpAmCmDcpBo -	Spencer Creek -	2
VELDA VILLAGE HILLS		1,527 -	(495) -	x -	- -	- -	None (through St. Louis sewers)	Mississippi River -	3
VERONA	Black Canning Co.	x -	- -	20 C	x -	- -	None -	Branch to Spring River	4
VERSAILLES		1,929 -	1,350 -	S -	0.15 -	2.0 0.2	ShCiFtrCpBo -	Straight Fork of North Moreau R.	5
VICTORIA PARK SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Victoria Park (Subdivision)		6
VINITA PARK		1,801 -	(300) -	x -	- -	- -	None (through St. Louis sewers)	Mississippi River -	7
VINITA TERRACE (S. D.)		389 -	(390) -	S -	x -	- -	None (through St. Louis sewers)	Mississippi River -	8
WALTON ROAD S. D.		- -	6,000 -	S -	0.6 -	6.0 0.6	ShCmAmCmDfrBo -	Maline Creek -	9
WARRENSBURG	East Plant	6,857 -	3,750 -	S -	.375E -	7.0 0.7	ScG (air)CmFtrCmDfhBo	Branch of Bear Creek	10
WARRENSBURG	West Plant	- -	1,500 -	S -	0.15E -	7.0 0.7	ScG (air)CmFtrCmDfhBo	Creek to Post Oak Creek	11
WARRENTON		1,584 -	1,500 -	S -	0.15 -	3.0 0.3	ShCiFtrCmBo*Xd -	Branch of Big Creek	12
WARSAW		936 -	780 -	S -	x -	x x	CsLo -	Lake of the Ozarks (Osage R.)	13
WASHINGTON		6,850 -	5,970 -	S -	x -	- -	None -	Missouri River -	14
WAVERLY		809 -	540 -	S -	 -	- -	None -	Missouri River -	15
WAYNESVILLE		1,010 -	910 -	S -	x -	4.0 0.4	GhScCmFtrCmEhDcmrBo -	Roubidoux Cr. to Gasconade River	16
WEBB CITY		6,919 -	4,500 -	S -	x -	- -	None -	Branch of Center Creek	17
WEBSTER GROVES		23,390 -	20,000 -	C -	x -	- -	None -	South Branch of River Des Peres	18
WELLSTON HILLS SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Wellston Hills (Subdivision)		19
WELLSVILLE		1,519 -	1,300 -	S -	0.10E -	1.075 0.1	Lo -	Coal Branch of Little L'Outre Cr	20
WENTZVILLE		1,227 -	920 -	S -	x -	1.0 0.1	ShCiFtrCpBo -	Peruque Creek -	21
WESTON		1,067 -	430 -	S -	x -	- -	None -	Bear Creek -	22
WESTON	McCormick Distillery	25 -	- -	20 0	0.1E CP	- -	None -	Bear Creek -	23
WEST PLAINS		4,918 -	3,000 -	S -	0.45 -	4.0 0.4	ShCmFtrCpDcpBo -	Town Creek -	24
WHEATON	Onda Canning Co.	25-50 -	- -	20 C	x -	- -	None -	Branch to Shoal Creek	25
WICKHAM PARK SUBDIVISION		- -	- -	- -	- -	- -	SEE ST. LOUIS COUNTY Wickham Park (Subdivision)		26
WILBUR PARK		743 -	100 -	S -	x -	x x	CsFs -	x -	27
WILLOW SPRINGS		1,914 -	1,200 -	S -	x -	1.8 0.14	ShCiFtrCpBo -	Eleven Point River	28
WINDSOR	Southeast Plant	2,429 -	300 -	S -	0.80 -	0.9 0.09	ShCiFtrCpBo -	Branch of East Tebo Creek	29
WINDSOR	Southwest Plant	- -	1,900 -	S -	0.19 -	2.0 0.2	ShCiFtrCiBo -	East Tebo Creek -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 19	M21 -	2,000E 2,000E	x -	x x	0 -	CFHIJ -		
2	UM 12	S27-30 -	1,575 100	0 -	- -	1 -	CFHJ -		
3	UM 18	- -	- -	- -	- -	- -	- -		
4	SM 4	x -	1,050E 1,050E	x -	x x	0 -	CFHJ -		
5	MR 12	M137.7-34- 41-18	1,350 270	0 -	- -	5 -	CFHJ -		
6	UM 18	- -	- -	- -	- -	- -	- -		
7	UM 18	- -	- -	- -	- -	- -	- -		
8	UM 18	- -	- -	- -	- -	- -	- -		
9	UM 18	M1171-9 -	6,000 150E	0 -	- -	5 -	CFHJ -		
10	MR 12	M202.2-9.3 -81-5-2	3,750 500	0 -	- -	7 -	CFHJ -		
11	MR 12	M202.2-9.3 88-4-1	1,500 150	0 -	- -	7 -	CFHJ -		
12	UM 12	C12-28 -	1,500 300	0 -	- -	7 -	CFHJN -	*Liquid sludge	
13	MR 14	0173.3 -	1,100 0	- -	- -	7 -	CFHIJ -		
14	MR 12	M66.8 -	6,970 6,970	*33,460 °21,070	30 5	0 -	ABEHK -	*Summer. °Winter. Low mean mo. flow - Hermann, Mo.	
15	MR 12	M297.2 -	540 540	x -	x x	0 -	ABEHK -		
16	MR 14	G141-5-3 -	910 90	0 -	- -	7 -	CFHJ -		
17	SM 4	G(N)131-36 -7	4,500E 4,500E	0 -	- -	0 -	CFHJ -		
18	UM 18	x -	20,000 20,000	0 -	- -	6 -	ABEHK -		
19	UM 18	- -	- -	- -	- -	- -	- -		
20	MR 12	M95.5-34- 9-2	1,300 0	0 -	- -	7 -	CFHJ -		
21	UM 12	P23 -	920 150	0 -	- -	1 -	CFHJ -		
22	MR 12	M414.8-2 -	430 430	0 -	- -	0 -	CFHJ -		
23	MR 12	M414.8-2 -	1,960 1,960	0 -	- -	0 -	CFHJ -		
24	SM 5	M264.3-72- 56	4,500 810E	0 -	- -	1 -	CFHJ -		
25	SM 4	x -	1,400E 1,400E	x -	x x	0 -	CFHJ -		
26	MR 12	- -	- -	- -	- -	- -	- -		
27	UM 18	x -	100 10	0 -	- -	x -	ABEHK -		
28	SM 5	M264.8-72- 3.6	2,700E 540E	0 -	- -	7 -	CFHJ -		
29	MR 14	0175.6-3- 13-8-11	860 200	0 -	- -	7 -	CFHJ -		
30	MR 14	0175.5-3- 13-8-10	2,390 240	0 -	- -	7 -	CFHJ -		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
WOODSON TERRACE	616 -	x -	x -	x -	x x	ShCmAmCmDpBo -	Coldwater Creek -	1
WRIGHT CITY	543 -	488 -	S -	0.04 -	0.75 0.06	ShClFtrCpBo -	Peruque Creek -	2
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M7-19 -	x x	0 -	- -	x -	CFHJ -		
2	UM 12	P36 -	488 60	0 -	- -	7 -	CFHJ -		
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30									

MISSOURI

Community or facility providing sewer service	Communities and/or facilities served
AFFTON S. D.	St. George
BERKELEY	St. Louis County - Brownleigh Subdivision
CARSONVILLE S. D.	Margona
KANSAS CITY	Santa Fe Hills
NORMANDY S. D.	Bellerive
ST. ANN'S VILLAGE	St. Louis County - Buder Park Subdivision
ST. JOHNS - OVERLAND S. D.	Overland
	St. John
	South Lackland S. D.
ST. LOUIS	Arbor Terrace
	Beverly Hills
	Brentwood
	Clayton
	Crystal Lake Park
	Curtis S. D.
	Glendale
	Glen Echo Park
	Goodfellow Terrace
	Hanley - Page East S. D.
	Huntleigh
	Jennings
	Ladue
	Ladue - Deer Creek S. D.
	McKnight S. D.
	Maplewood
	Maria Creek S. D.
	Melrose S. D.
	Monticello
	Northwoods
	Olivette
	Pasadena Hills
	Pasadena Park
	Pine Lawn S. D.
	Richmond Heights
	Rock Hill Village
	St. Louis County S. D. #1
	St. Louis County S. D. #3
	St. Louis County S. D. #5
	Shrewsbury
	Two Mile S. D.
	University City
	Velda Village Hills
	Vinita Park
	Vinita Terrace S. D.

NEBRASKA

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE NEBRASKA | YEAR 1957 | PAGE 1 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ADAMS		457 -	350 -	S -	x -	0.60 x	ScCp(AmCp)DcpBo -	North Fork Big Nemaha River	1
AINSWORTH		2,150 -	1,100 -	S -	x -	1.60 0.120	ShCmKmCmDmrBo -	Bone Creek -	2
ALBION		2,132 -	1,685 -	S -	x -	- -	None -	Beaver Creek -	3
ALLIANCE		7,891 -	7,500 -	S -	x -	x x	Cs -	Lake (No outlet) -	4
ALMA		1,768 -	1,700 -	S -	x -	x x	C FtC EgD Bo -	Republican River -	5
ARAPAHOE		1,226 -	1,200 -	S -	x -	- -	None -	Muddy Creek to Republican River	6
ARLINGTON		593 -	600 -	S -	x -	0.70 0.05	CpFtrCpDcmBo -	Elkhorn River -	7
ARNOLD		936 -	900 -	S -	x -	0.90 0.05	Sc(AmCp)DcpBo -	South Loup River -	8
ASHLAND		1,713 -	1,000 -	S -	x -	- -	None -	Salt Creek -	9
ASHTON		381 -	390 -	S -	0.03 -	0.4 x	ShCiLo -	Lagoon -	10
ATKINSON		1,372 -	1,200 -	S -	x -	- -	None -	Elkhorn River -	11
AUBURN		3,422 -	2,600 -	S -	x -	- -	None -	Long Creek to Little Nemaha R.	12
AURORA		2,455 -	2,000 -	S -	x -	2.70 x	ShCiFtnCpBo -	Lincoln Creek -	13
AXTELL		352 -	600 -	S -	x -	x x	CiFtI -	Dry Run -	14
AYR	Slaughterhouse	x -	- -	20 E	x x	- -	None -	Little Blue River -	15
BASSETT		1,066 -	800 -	S -	x -	0.635 x	CpKmCmDmrBoLo -	Lagoon -	16
BATTLE CREEK		630 -	700 -	S -	x -	x x	CiBo -	Battle Creek -	17
BATTLE CREEK	Co-op Creamery	x -	- -	20 EL	0.075 CP	- -	None -	battle Creek -	18
BAYARD		1,869 -	1,700 -	C -	x -	- -	None -	Bayard Canal to North Platte R.	19
BAYARD	Great Western Sugar Refinery	x -	- -	20 A	4.82 -	x x	I* -	Ditch to North Platte River	20
BEATRICE		11,813 -	11,000 -	S -	x -	- -	None -	Big Blue River -	21
BEATRICE	State Home	- 1.880-3	1,880 -	S -	x -	4.0 x	C FtrC D Bo -	Big Blue River -	22
BEAVER CITY		913 -	900 -	S -	x -	x x	CiBo -	Beaver Creek -	23
BEAVER CROSSING		425 -	300 -	S -	x -	x x	ScK CmDfrBo * -	West Fork of Big Blue River	24
BEEMER		613 -	580 -	S -	x -	- -	None -	Elkhorn River -	25
BELDEN		192 -	150 -	S -	x -	0.50 0.030	ShCiFtnBo -	Creek to Logan Creek	26
BELLEVUE		3,858 -	2,000 -	S -	x -	- -	None -	Missouri River -	27
BENKELMAN		1,512 -	1,500 -	S -	x -	x x	Cs* -	Republican River -	28
BERTRAND		584 -	300 -	S -	x -	0.950 0.050	Sc(AmCp)DcpBo -	Spring Creek -	29
BLAIR		3,815 -	3,290 -	S -	x -	- -	None -	Blair Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	1 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE 15	PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 12	M511.2- 40.5-80	350 90	x -	x x	7 -	CH	 -		
2	MR 5	N96-13-19 -	2,970 890	x -	x x	7 -	CH	 -		
3	MR 8	P103-25-43 -	1,950 1,950	25 -	30 5	0 -	cH	 -		
4	MR 8	- -	9,500 0	- -	- -	7 -		- -		
5	MR 11	K169.2-247 -	4,370 1,000	x -	x x	7 -	cFH	 -		
6	MR 11	K169.2- 292.6-0.6	1,200 1,200	x -	x x	0 -	cH	 -		
7	MR 8	P33.4-27.7 -	600 240	250 -	30 5	7 -	cfH	 -		
8	MR 8	P103-67.5- 25.2-122.3	900 220	31 -	30 5	1 -	cH	 -		
9	MR 8	P26.4-3.8 -	1,000 1,000	x -	x x	0 -	cH	 -		
10	MR 8	- -	390 0	- -	- -	7 -		- -		
11	MR 8	P33.4-258 -	1,200 1,200	x -	x x	0 -	cFH	 -		
12	MR 12	M544.6-13- 1	2,830 2,830	x -	x x	0 -	CH	 -		
13	MR 11	K142.5- 225.5-73	5,400 1,600	x -	x x	1 -	CH	 -		
14	MR 8	- -	600 150	0 -	- -	7 -		- -		
15	MR 11	K142.5- 61.8	350 350	x -	x x	0 -		x -		
16	MR 8	- -	800 x	- -	- -	7 -		- -		
17	MR 8	P156.7-1.7 -	700 520	x -	x x	7 -	cFH	 -		
18	MR 8	P156.7-1.7 -	180 180	x -	x x	0 -	cFH	 -		
19	MR 9	NP149.5-5 -	1,700 1,700	x -	x x	0 -	cHD	 -		
20	MR 9	NP150 -	156,000 48,000	x -	x x	5 -	cDH	 -	*Grass field aeration	
21	MR 11	K142.5-130 -	16,000 16,000	x -	x x	0 -	cFH	 -		
22	MR 11	K142.5-130 -	1,880 300	x -	x x	7 -	cH	 -		
23	MR 11	K169.2- 258-18.8	900 400	0 -	30 5	2 -	cH	 -		
24	MR 11	K142.5- 192.1-29	300 300	x -	x x	7 -	cH	 -	*Plant not in operation	
25	MR 8	P33.4-89 -	580 580	x -	x x	0 -	cFH	 -		
26	MR 8	P33.4-43.8 -80-10	150 40	x -	x x	5 -	cfH	 -		
27	MR 12	M618.1 -	2,000 2,000	x -	x x	0 -	CEFHK	 -		
28	MR 11	K169.2- 393.6-	1,500 1,500	2 -	30 5	4 -	cH	 -	*Not being used	
29	MR 11	K169.2- 267.6-23	300 80	x -	x x	7 -	cH	 -		
30	MR 12	M670-0.5-2 -	3,290 3,290	x -	x x	0 -	CH	 -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	2 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
BLOOMFIELD		1,455 -	1,200 -	S -	x -	x x	CiBo -	Little Bazile Creek	1
BLUE HILL		574 -	400 -	S -	x -	x x	SeCp(AmCp)DcpBo -	Creek -	2
BOYS TOWN		975 -	1,500 -	S -	x -	x x	S CpFtnCpDcpBo -	Hell Creek to W. Papillion Cr.	3
BRAINARD		373 -	370 -	S -	x -	x x	Cs -	Plum Creek -	4
BRIDGEPORT		1,631 -	1,000 -	S -	x -	- -	None -	North Platte River	5
BROADWATER		300 -	150 -	S -	x -	- -	None -	Sump to North Platte River	6
BROKEN BOW		3,396 -	3,000 -	S -	x -	x x	SmCpFtnDcpBo -	Mud Creek -	7
BRUNING		246 -	120 -	S -	x -	x x	CiFtrCpBo -	Dry Sandy Creek -	8
BURWELL		1,413 -	800 -	S -	x -	- -	None -	North Loup River -	9
BURWELL	City Market Slaughterhouse	2 -	- -	20 E	x -	- -	None -	North Loup River -	10
BUSHNELL		225 -	300 -	S -	0.04 -	0.4 x	ShCiLo -	Lagoon -	11
BUTTE		614 -	x -	S -	x -	x x	A -	Ponca Creek -	12
CAIRO		422 -	420 -	S -	0.055 -	0.55 0.11	ShScAmCpDpBo -	Creek to Prairie Creek	13
CALLAWAY		744 -	600 -	S -	x -	x x	CiBo -	South Loup River -	14
CAMBRIDGE		1,352 -	750 -	S -	x -	1.50 0.12	CiFtrCpBo -	Medicine Creek -	15
CAMPBELL		412 -	400 -	S -	x -	x x	Ci -	Little Blue River -	16
CEDAR BLUFFS		505 -	405 -	S -	0.05 -	0.5 0.1	ShScAmCpDpBo -	Silver Creek -	17
CEDAR RAPIDS		541 -	600 -	S -	x -	- -	None -	Cedar River -	18
CENTER		148 -	100 -	S -	x -	0.15 x	ShCiFsBo -	Bazile Creek -	19
CENTRAL CITY		2,394 -	1,890 -	S -	x -	x x	C Ft C D Bo -	Platte River -	20
CERESCO		374 -	325 -	S -	x -	x x	Lo -	Lagoon -	21
CHADRON		4,687 -	4,500 -	S -	x -	x x	Cs -	Chadron Creek to White River	22
CHAPPELL		1,297 -	1,200 -	S -	x -	x x	CiFsBo -	Cow Creek -	23
CHESTER		539 -	250 -	S -	x -	1.0 0.030	Sc(AmCp)DcpBo -	Rose Creek -	24
CLARKSON		764 -	1,000 -	S -	x -	x x	CiBo -	Middle Fork Maple Creek	25
CLAY CENTER		824 -	800 -	S -	x -	x x	CiFtnI Bo -	Litle Sandy Creek -	26
COLERIDGE		621 -	630 -	S -	x -	x x	CiFtnBo -	Creek to Pearl Creek	27
COLUMBUS		8,884 -	7,070 -	S -	x -	x x	Cs -	Loup River to Platte River	28
COLUMBUS	Columbus Rendering Co.	3 -	- -	20 P	0.025E CP	- -	None -	North Loup River -	29
COLUMBUS	Smith's Dairy	10 -	- -	20 H	.003E CP	- -	None -	North Loup River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	2 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	MR 12	M880-22-20 -	1,200 900	x -	x x	2 -	CH -		
2	MR 11	K142.5- 61.8-169	400 100	x -	x x	7 -	cH -		
3	MR 12	M613.5-10- 9-9	1,500 380	x -	x x	7 -	CH -		
4	MR 11	K142.5-225 -25	370 370	x -	x x	4 -	cH -		
5	MR 9	NP142 -	2,390 2,390	320 -	30 5	0 -	cDFH -		
6	MR 9	NP127 -	150 150	320 -	30 5	0 -	cDFH -		
7	MR 8	* -	3,470 1,390	x -	x x	1 -	cH -	*P103-67.5-25.2-18-69.6	
8	MR 11	* -	120 20	x -	x x	7 -	CH -	*K142.5-61.8-68.1-11-14	
9	MR 8	P103-67.5- 64.2	1,450 1,450	560 -	30 5	0 -	cdH -		
10	MR 8	P103-67.5- 64	350 350	560 -	30 5	0 -	cdH -		
11	MR 10	- -	300 0	- -	- -	7 -	- -		
12	MR 5	M891.6-45 -	x x	x -	x x	7 -	x -		
13	MR 8	P119.0- 74-4	420 100	x -	x x	7 -	x -		
14	MR 8	P103-67.5- 25.2-100.6	600 450	31 -	30 5	7 -	c -		
15	MR 11	K169.2- 309.6-0.8	750 220	41 -	30 5	7 -	cH -		
16	MR 11	K142.5- 61.8-181	400 270	x -	x x	7 -	CH -		
17	MR 8	P26.4-2.8- 7-25	405 100	x -	x x	7 -	x -		
18	MR 12	M880-18 -	100 30	x -	x x	7 -	CFH -		
19	MR 8	P103-40- 30.9	600 600	x -	x x	0 -	cFH -		
20	MR 8	P148.4 -	3,130 700	0 -	30 5	7 -	cFHI -		
21	MR 8	- -	325 0	- -	- -	7 -	- -		
22	MR 4	M999.9- 440-5	4,500 4,500	2 -	30 5	4 -	aCFH -		
23	MR 10	SP90-12-2 -	1,200 500	x -	x x	7 -	CFH -		
24	MR 11	K142.5- 61.8-50-32	250 60	x -	x x	7 -	x x		
25	MR 8	P33.4-34.8 -55.2	1,000 750	x -	x x	2 -	c -		
26	MR 11	* -	800 240	x -	x x	7 -	cH -	*K142.5-61.8-68.1-39-30	
27	MR 12	M825-28-5- 6	630 200	x -	x x	7 -	CH -		
28	MR 8	P103-0.2 -	11,340 11,340	x -	x x	4 -	cFH -		
29	MR 8	P103-0.2 -	2,200 2,200	x -	x x	0 -	cFH -		
30	MR 8	P103-0.2 -	70 70	x -	x x	0 -	cFH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	3 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
COOK		332 -	300 -	S -	x -	0.325 0.21	ShCiFtrCpI Bo -	Ground -	1
COZAD		2,910 -	3,600 -	S -	x -	- -	None -	Platte River -	2
CRAWFORD		1,824 -	1,700 -	S -	x -	x x	CiFtnBo -	White River -	3
CREIGHTON		1,401 -	1,200 -	S -	x -	1.5 0.05	ShCpFtrCpDcpBo -	Bazile Creek -	4
CRETE		3,692 -	3,500 -	S -	x -	x x	ScCmFtrCmDfrBo -	Big Blue River -	5
CROFTON		630 -	500 -	S -	x -	x x	CsFtnBo -	West Bow Creek -	6
CULBERTSON		770 -	600 -	S -	x -	- -	None -	Frenchman River -	7
CURTIS		964 -	900 -	S -	x -	x x	CiFtnBo -	Medicine Creek -	8
DAKOTA CITY		622 -	x -	S -	x -	- -	None -	Missouri River -	9
DALTON		417 -	400 -	S -	x -	x x	CiLo -	Lagoon -	10
DANNEBROG	Creamland Creamery	2 -	- -	20 L	x x	- -	None -	Oak Creek -	11
DAVENPORT		459 -	250 -	S -	x -	0.75 .0375	Sc(AmCp)DcpBo -	Draw to Sandy Creek	12
DAVID CITY		2,321 -	2,400 -	S -	x -	2.40 0.150	ScCp(AmCp)DcpBo -	Keysor Creek -	13
DECATUR		808 -	680 -	S -	x -	x x	SeCiFtrBo -	Missouri River -	14
DESHLER		1,063 -	1,200 -	S -	x -	x x	CiFtnBo -	Spring Creek -	15
DE WITT		528 -	400 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Turkey Creek to Big Blue River	16
DODGE		633 -	650 -	S -	x -	x x	CsBo -	Willow Creek -	17
DONIPHAN		412 -	412 -	S -	0.03 -	0.45 x	ScAaLo -	Lagoon -	18
DORCHESTER		478 -	580 -	S -	x -	x x	CiFtnBo -	Squaw Creek -	19
DUNCAN		228 -	100 -	S -	0.01 -	0.1 x	Lo -	Lagoon -	20
EDGAR		724 -	800 -	S -	x -	1.0 0.10	ShCm(AmCp)DcpBo -	Sandy Creek -	21
ELGIN		820 -	800 -	S -	x -	1.0 0.065	Sc(AmCp)DcpBo -	Blacksnake Creek -	22
ELKHORN		476 -	430 -	S -	x -	x x	CsBo -	West Branch West Papillion Creek	23
ELM CREEK		799 -	400 -	S -	x -	x x	CiBo -	Elm Creek -	24
ELWOOD		562 -	562 -	S -	0.05 -	0.8 0.075	ScCmFtrDpBo -	Dry Creek to Elk Creek	25
EMERSON		784 -	800 -	S -	x -	0.90 x	CiFsBo -	North Omaha Creek -	26
EUSTIS		413 -	- -	S* -	- -	x x	CiBo* -	Plum Creek -	27
EWING		705 -	730 -	S -	.0712 -	1.14 x	CpDcpXd -	Elkhorn River -	28
EXETER		747 -	550 -	S -	x -	x x	CiFtnBo -	Johnson Creek -	29
FAIRBURY		6,395 -	6,300 -	S -	x -	- -	None -	Little Blue River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
NEBRASKA	1957	PAGE 3 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 12	- -	300 80	- -	- -	7 -	- -		
2	MR 8	P265.1 -	3,680 3,680	38 -	30 5	0 -	cDFHI -		
3	MR 4	M999.9-482 -	1,700 510	9 -	30 5	1 -	aCFH -		
4	MR 12	M880-36 -	1,200 400	x -	x x	7 -	CFH -		
5	MR 11	K142.5- 180.8	8,500 2,550	x -	x x	1 -	CFHJ -		
6	MR 12	M825-4-26 -	500 500	x -	x x	1 -	CH -		
7	MR 11	K169.2- 351.6-1.2	600 600	x -	x x	0 -	cFH -		
8	MR 11	K169.2- 309.6-35	900 250	x -	x x	4 -	cH -		
9	MR 12	M753.6 -	x x	x -	x x	0 -	CEFHK -		
10	MR 9	- -	400E x	- -	- -	7 -	- -		
11	MR 8	P103-67.5 14.9-0.6	290 290	x -	x x	0 -	cH -		
12	MR 11	* -	250 80	x -	x x	5 -	cH -	*K142.5-61.8-68.1-40	
13	MR 11	* -	2,500 500	x -	x x	5 -	CH -	*K142.5-247.3-166.6-6.8	
14	MR 12	M716.9 -	680 170	x -	x x	5 -	ACEFHK -		
15	MR 11	* -	1,200 360	x -	x x	5 -	cH -	*K142.5-61.8-88.8-9.6	
16	MR 11	K142.5- 150.8-4.2	400 100	x -	x x	7 -	CFH -		
17	MR 8	P33.4-53.1 -19.8	650 650	x -	x x	4 -	cFH -		
18	MR 8	- -	412 0	- -	- -	7 -	- -		
19	MR 11	K142.5- 176.8-11.6	[illegible]80 170	x -	x x	7 -	cH -		
20	MR 8	- -	100 0	- -	- -	1 -	- -		
21	MR 11	* -	800 200	x -	x x	7 -	cH -	*K142.5-61.8-68.1-49	
22	MR 8	P33.4- 181.9-20.7	800 200	x -	x x	5 -	CFH -		
23	MR 12	M613.5-10- 21-5	430 430	x -	x x	4 -	CH -		
24	MR 8	P231.4-2.2 -	400 300	x -	x x	7 -	x -		
25	MR 11	K169.2- 290.1-22	562 140	0 -	x x	7 -	L -		
26	MR 12	M746-4.5- 15-16	850 300	x -	x x	7 -	cH -		
27	MR 8	P245-25 -	- -	0 -	30 5	7 -	x -	*Facilities under construction.	
28	MR 8	P33.4 210 -	730 480E	x -	x x	7 -	CFH -		
29	MR 11	* -	550 140	x -	x x	5 -	cH -	*K142.5-192.1-11.7-25	
30	MR 11	K142.5- 61.8-55.4	14,800 14,800	x -	x x	0 -	cFH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
FAIRFIELD		503 -	500 -	S -	0.063 -	0.63 0.126	ScAmCpDpBo -	Roadside Ditch to Big Sandy Creek	1
FAIRMONT		729 -	750 -	S -	x -	0.80 0.060	Sh(CmDmr)FtrCpBo -	Ditch to Indian Creek	2
FALLS CITY		6,203 -	6,300 -	S -	x -	- -	None -	Big Nemaha River -	3
FORT CROOK		- 6.000-2	6,000 -	S -	x -	x x	Secondary -	Big Papillion Creek	4
FRANKLIN		1,602 -	1,600 -	S -	x -	- -	None -	Republican River -	5
FREMONT		14,762 -	13,600 -	S -	x -	- -	None -	Creek to Elkhorn River	6
FRIEND		1,148 -	1,000 -	S -	x -	x x	ShCiFtnCpBo -	Sucker Creek -	7
FULLERTON		1,520 -	1,530 -	S -	x -	- -	None -	Cedar River -	8
GENEVA		2,031 -	1,000 -	S -	x -	x x	CiFtrBo -	North Branch Turkey Creek	9
GENOA		1,026 -	1,000 -	S -	x -	- -	None -	Beaver Creek -	10
GERING		3,842 -	2,000 -	S -	x -	x x	CsIs -	North Platte River	11
GERING	Great Western Sugar Refinery	x -	- -	20 A	x -	x x	4(Evaporate Steffen Waste)	North Platte River	12
GERING	Miller Packing Co.	3 -	- -	20 F	x x	- -	None -	Ditch to North Platte River	13
GERING	Swift & Co. Packing Plant	x -	- -	20 F	x -	- -	None -	North Platte River	14
GERING	U. P. R. R. Roundhouse	x -	- -	34 I	x x	- -	None -	North Platte River	15
GIBBON		1,063 -	1,100 -	S -	0.043 -	1.8 x	Lo -	Lagoon -	16
GLENVILLE		281 -	280 -	S -	0.021 -	0.42 x	Lo -	Lagoon -	17
GORDON		2,058 -	1,500 -	S -	x -	x x	CiFtnBo -	Antelope Creek -	18
GOTHENBURG		2,977 -	2,800 -	S -	x -	- -	None -	Platte River -	19
GRAND ISLAND		22,682 -	24,000 -	S -	x -	25.0 x	SmG CmAaCmDmrBo -	Wood River -	20
GRAND ISLAND	American Crystal Sugar Refinery	225-S -	- -	20 A	5.9E CP	- -	L (Steffen's House Waste only)	Ditch to Wood River	21
GRAND ISLAND	American Crystal Sugar Refinery	- -	225 -	x -	x -	x x	Cs -	Ditch to Wood River	22
GRAND ISLAND	Fair Acres Dairy	24 -	- -	20 H	0.03E CP	x x	CsIs -	Sub-surface -	23
GRAND ISLAND	Ford Packing Co.	14 -	- -	20 F	0.03E CP	- -	Lo (Half of waste) Is (Half of waste)	Lagoon and Sub-surface	24
GRAND ISLAND	Grand Island Rendering Co.	20 -	- -	20 P	0.06E CP	- -	Is -	Sub-surface -	25
GRANT		1,091 -	600 -	S -	x -	x x	CiFsI Bo -	Ground -	26
GREELEY CENTER		787 -	600 -	S -	0.07E -	x x	CiLo -	Ditch to Spring Creek	27
GREENWOOD		364 -	364 -	S -	x -	x x	ShLo -	Lagoon -	28
HARTINGTON		1,660 -	1,800 -	S -	x -	x x	ShCiFtrBo -	Bow Creek -	29
HARVARD		774 -	600 -	C -	x -	x x	CiFtrBo -	Br. to West Fork Blue River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 11	* -	500 120	x -	x x	7 -	DL -	*K142.5-61.8-68.1-57	
2	MR 11	* -	750 110	x -	x x	1 -	CH -	*K142.5-192.1-29.6-28	
3	MR 12	M511.2- 26.2	11,540 11,540	x -	x x	0 -	CH -		
4	MR 12	M613.5-7.5 -	6,000 900	x -	x x	7 -	CH -		
5	MR 11	K169.2- 218.4	1,600 1,600	x -	x x	0 -	cH -		
6	MR 8	P33.4-22.4 -	41,680 41,680	250 -	30 5	0 -	cfH -		
7	MR 11	K142.5- 150.8-45	1,000 200	x -	x x	5 -	CH -		
8	MR 8	P103-40-2 -	3,280 3,280	120 -	30 5	0 -	cH -		
9	MR 11	K142.5- 150.8-53	1,000 300	x -	x x	7 -	cH -		
10	MR 8	P103-25.1- 2.6	1,000 1,000	48 -	30 5	0 -	cH -		
11	MR 9	NP173 -	2,000 1,400	240 -	30 5	4 -	CDFH -		
12	MR 9	NP173 -	x 96,000	240 -	30 5	2 -	cDFH -		
13	MR 9	NP173 -	100 100	240 -	30 5	0 -	cDFH -		
14	MR 9	NP173 -	33,000 33,000	240 -	30 5	0 -	CDFH -		
15	MR 9	NP173 -	x x	240 -	30 5	0 -	cDFH -		
16	MR 8	- -	1,100 0	- -	- -	7 -	- -		
17	MR 11	- -	280 0	- -	- -	7 -	- -		
18	MR 5	N241-12 -	1,500 450	x -	x x	1 -	cFH -		
19	MR 8	P272 -	2,800 2,800	38 -	30 5	0 -	cDFHI -		
20	MR 8	P161.4-13 -	36,300 16,300	x -	x x	7 -	CFH -		
21	MR 8	P161.4-13 -	*65,620 *65,620	x -	x x	0 -	CFH -	*Does not include Steffen's House Waste.	
22	MR 8	P161.4-13 -	225 x	x -	x x	x -	CFH -		
23	MR 8	- -	180 0	- -	- -	7 -	- -		
24	MR 8	- -	960 0	- -	- -	7 -	- -		
25	MR 8	- -	2,700 0	- -	- -	7 -	- -		
26	MR 11	- -	600 300	- -	- -	7 -	- -		
27	MR 8	P103.0- 66.5-[illegible]	x x	0 -	- -	7 -	x -		
28	MR 8	- -	364 0	- -	- -	7 -	- -		
29	MR 12	M825-25 -	1,800 540	x -	x x	7 -	CH -		
30	MR 11	* -	600 120	x -	x x	5 -	x -	*K142.5-192.1-34.1-33-26	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
HASTINGS		20,211 -	20,000 -	S -	x -	x x	ShCmFtnDoBo -	West Fork Blue River	1
HASTINGS	Ingleside State Hospital	- 2.000-3	2,000 -	S -	x -	x x	ScCp(AmCp)IcDcpBo -	Land or Pawnee Creek	2
HAY SPRINGS		1,091 -	600 -	S -	x -	x x	CiBo -	Rush Creek -	3
HEBRON		2,000 -	2,000 -	S -	x -	- -	None -	Little Blue River -	4
HEMINGFORD		946 -	800 -	S -	x -	x x	CiFtnI Bo -	Land -	5
HENDERSON		536 -	536 -	S -	0.053 -	x x	SoCmAmDcp -	Creek to West Fork Big Blue R.	6
HENRY		171 -	80 -	S -	x -	- -	Privately-owned Septic Tanks*	Ground -	7
HENRY	Platte Valley Poultry Marketing	x -	- -	20 G	x x	- -	None -	North Platte River	8
HOLBROOK		398 -	400 -	S -	x -	x x	CiFtnBo -	Republican River -	9
HOLDREGE		4,381 -	4,300 -	S -	x -	6.0 0.6	ScCmFtnCmIcDcpBo -	Turkey Creek -	10
HOOPER		859 -	700 -	S -	x -	- -	None -	Elkhorn River -	11
HOSKINS		171 -	80 -	S -	x -	0.25 0.025	CiFtnBo -	Cr. to North Fork of Elkhorn River	12
HOWELLS		784 -	600 -	S -	x -	x x	CsDcpBo -	East Fork Maple Creek	13
HUMBOLDT		1,404 -	1,300 -	S -	x -	- -	None -	North Fork of Big Nemaha River	14
HUMPHREY		761 -	800 -	S -	x -	x x	Cs -	Tracy Valley Creek	15
IMPERIAL		1,563 -	1,250 -	S -	x -	1.0 x	ScCmAmCmIcDcpBo -	Land -	16
INDIANOLA		738 -	700 -	S -	x -	x 0.060	ScCpKmCmDmr -	Republican River -	17
JANSEN		241 -	160 -	S -	x -	0.70 0.03	Sc(AmCp)DcpBo -	Big Indian Creek -	18
JOHNSON		262 -	262 -	S -	0.021 -	0.42 x	Lo -	Lagoon -	19
KEARNEY		12,115 -	10,480 -	S -	x -	- -	None -	Turkey Creek to Platte River	20
KEARNEY	Kearney Packing Co.	10 -	- -	20 F	.085E CP	- -	None -	Kearney Canal to Platte River	21
KEARNEY	Moore Slaughterhouse	1 -	- -	20 E	.0001 PE	- -	None -	Kearney Canal to Platte River	22
KEARNEY	Shirley Slaughterhouse	1 -	- -	20 E	.0001 PE	- -	None -	Kearney Canal to Platte River	23
KEARNEY	State Boys Home	- 200-0	200 -	S -	x -	x x	CiFtCpBo -	Turkey Creek -	24
KENESAW		584 -	220 -	S -	x -	1.0 0.04	Sc(AmCp)DcpBo -	Thirty-two Mile Creek	25
KENNARD		273 -	350 -	S -	x -	- -	None -	Big Papillion Creek	26
KIMBALL		2,048 -	2,000 -	S -	x -	x x	C FtnC D Bo -	Lodge Pole Creek -	27
LA PLATTE	Allied Chemical Urea Plant	400 -	- -	28 C	30C 6P	36 -	11 -	Missouri River -	28
LAUREL		944 -	780 -	S -	x -	x x	ShCsBo -	Logan Creek -	29
LAWRENCE		376 -	220 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Common Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN / SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) / Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR	*	25,700	x	x	1	N		*K142.5-192.1-34.1-76.7	
	11	-	6,500	-	x	-		-		
2	MR	*	2,000	x	x	1		x	*K142.5-61.8-138.9-27	
	11	-	500	-	x	-		-		
3	MR	N264-17	600	x	x	2	cFH			
	5	-	300	-	x	-		-		
4	MR	K142.5-	2,800	x	x	0	CH			
	11	61.8-89.6	2,800	-	x	-		-		
5	MR	-	800	-	-	7		-		
	8	-	400	-	-	-		-		
6	MR	*	536	0	-	7		x	*K142.5-192.1-34.1-20-15	
	11	-	110E	-	-	-		-		
7	MR	-	800	-	-	0		-	*Effluents discharge to municipal sewers	
	9	-	800	-	-	-		-		
8	MR	NP199	500	25	30	0	cH			
	9	-	500	-	5	-		-		
9	MR	K169.2-	400	x	x	7	cfH			
	11	300.5	120	-	x	-		-		
10	MR	K169.2-	7,200	x	x	1	c			
	11	232.3-40	1,870	-	x	-		-		
11	MR	P33.4-46.2	700	x	x	0	cFH			
	8	-	700	-	x	-		-		
12	MR	P33.4-	80	x	x	7	cFH			
	8	141.8-5-8	20	-	x	-		-		
13	MR	P33.4-34.8	600	x	x	4	c			
	8	-46.7	450	-	x	-		-		
14	MR	M511.2-	1,300	x	x	0	ACH			
	12	40.5-26.4	1,300	-	x	-		-		
15	MR	*	800	x	x	4	cfH		*P33.4-128.7-15.8-4.5-13.8	
	8	-	800	-	x	-		-		
16	MR	-	1,250	-	-	5		-		
	11	-	620	-	-	-		-		
17	MR	K169.2-	700	x	x	4	CH			
	11	325.8	600	-	x	-		-		
18	MR	K142.5-	160	x	x	5		x		
	11	110.4-35	30	-	x	-		-		
19	MR	-	262	-	-	7		-		
	12	-	0	-	-	-		-		
20	MR	P210.1-1.5	15,120	0	30	0	cdH			
	8	-	15,120	-	5	-		-		
21	MR	P210	1,960	0	30	0	cdH			
	8	-	1,960	-	5	-		-		
22	MR	P210	150	0	30	0	cdH			
	8	-	150	-	5	-		-		
23	MR	P210	170	0	30	0	cdH			
	8	-	170	-	5	-		-		
24	MR	P210.1-1	200	0	30	7	CDH			
	8	-	50	-	5	-		-		
25	MR	*	220	x	x	5		x	*K142.5-61.8-152-25	
	11	-	50	-	x	-		-		
26	MR	M613.5-41	350	x	x	0	CH			
	12	-	350	-	x	-		-		
27	MR	SP90-96	2,000	x	x	7	CFH			
	10	-	500	-	x	-		-		
28	MR	M609	500E	x	x	7	ABEK			
	12	-	500E	-	x	-		-		
29	MR	P33.4-	780	x	x	4	cfH			
	8	43.8-85	780	-	x	-		-		
30	MR	*	220	x	x	7	CH		*K142.5-61.8-133.4-7	
	11	-	20	-	x	-		-		

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
LEIGH		551 -	580 -	S -	x -	x x	C1Bo -	Middle Fork of Maple Creek	1
LEWELLEN		510 -	300 -	S -	x -	1.0 0.125	Sc(AmCp)DcpBo -	North Platte River	2
LEXINGTON		5,068 -	3,000 -	C -	x -	x x	Cs -	Creek to Platte River	3
LEXINGTON	Lexington Locker Plant	4 -	- -	20 F	.013E CP	- -	None -	Ditch to Platte River	4
LEXINGTON	Lexington Rendering Co.	7 -	- -	20 P	0.13E CP	- -	None -	Spring Creek to Platte River	5
LEXINGTON	Prash Bros. Slaughterhouse	4 -	- -	20 E	.004E P	- -	None -	Sand pit* -	6
LINCOLN *		98,884 -	85,000 -	S -	x -	x x	ShApCmFtrDcrHoBo -	Salt Creek -	7
LINCOLN	Cushman Scooter Co.	1,200 -	- -	34 ACE	0.07E CP	- -	None -	Antelope Creek -	8
LINDSAY		247 -	100 -	S -	x -	x x	C1Bo -	Shell Creek -	9
LODGEPOLE		555 -	555 -	S -	0.035 -	x x	Lo -	Lagoon -	10
LONG PINE		567 -	800 -	S -	x -	x x	C1Bo -	Long Pine Creek -	11
LOOMIS		218 -	220 -	S -	0.036 -	0.46 x	Lo -	Lagoon -	12
LOUISVILLE		1,014 -	300 -	S -	x -	- -	None -	Platte River -	13
LOUP CITY		1,508 -	820 -	S -	x -	- -	None -	Middle Loup River -	14
LYMAN		666 -	350 -	S -	x -	- -	None -	Horse Creek -	15
LYONS		1,011 -	1,000 -	S -	x -	- -	None -	Logan Creek -	16
McCOOK		7,678 -	7,500 -	S -	x -	x x	CmFtCmD Bo -	Republican River -	17
MADISON		1,663 -	1,800 -	S -	x -	x x	Cs -	Union Creek -	18
MADRID		379 -	380 -	S -	x -	x x	C1FtnC I Bo -	Ground -	19
MEAD		388 -	400 -	S -	0.03 -	0.45 x	ScAn -	Abandoned Borrow Pit	20
MEADOW GROVE		461 -	370 -	S -	x -	x x	C1Bo -	Buffalo Creek -	21
MELBETA		138 -	80 -	S -	x -	0.15 0.006	ShCsBo -	North Platte River	22
MILFORD		951 -	900 -	S -	x -	- -	None -	Big Blue River -	23
MILLARD		391 -	130 -	S -	x -	x x	C1FtnBo -	West Papillion Creek	24
MINATARE		890 -	800 -	S -	x -	- -	None -	North Platte River	25
MINDEN		2,120 -	1,200 -	S -	x -	1.80 0.20	ScCmFtnDcrBo -	Sand Creek -	26
MITCHELL		2,101 -	1,800 -	S -	x -	- -	None -	North Platte River	27
MITCHELL	Great Western Sugar Refinery	x -	- -	20 A	x -	- -	None -	North Platte River	28
MORRILL		849 -	600 -	S -	x -	- -	None -	North Platte River	29
MULLEN		652 -	480 -	S -	x -	0.60 0.03	ShC1FsIpBo -	Land -	30

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LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 8	P33.4- 34.8-64	580 430	x -	x x	2 -	c -		
2	MR 9	NP84 -	300 80	380 -	30 5	7 -	cFH -		
3	MR 8	P252.5 -	4,820 4,820	240 -	30 5	4 -	cH -		
4	MR 8	P252 -	110 110	240 -	30 5	0 -	cH -		
5	MR 8	P252 -	940 940	240 -	30 5	0 -	cH -		
6	MR 8	P252 -	280 280	240 -	30 5	0 -	cH -	*Occasional overflow to Platte River	
7	MR 8	P26.4-25 -	132,500 33,000	x -	x x	7 -	C -		
8	MR 8	P26.4-26-3 -	x x	x -	x x	0 -	c -		
9	MR 8	P83.5-62.8 -	100 80	x -	x x	4 -	cH -		
10	MR 10	- -	555 0	- -	- -	7 -	- -		
11	MR 5	N96-17 -	800 520	x -	x x	7 -	ABCFHIJ -		
12	MR 11	- -	220 0	- -	- -	7 -	- -		
13	MR 8	P17.2 -	300 300	x -	x x	0 -	cH -		
14	MR 8	P103-67.5- 49.1	1,730 1,730	x -	x x	0 -	cdH -		
15	MR 9	NP194-5 -	350 350	16 -	30 5	0 -	cH -		
16	MR 8	P33.4-43.8 -24.8	1,670 1,670	27 -	30 5	0 -	cfH -		
17	MR 11	K169.2- 339.3	14,300 3,400	x -	x x	7 -	CFH -		
18	MR 8	P33.4- 128.7-18.3	2,740 2,740	x -	x x	4 -	cfH -		
19	MR 11	- -	380 100	- -	- -	7 -	- -		
20	MR 8	- -	400 100E	- -	- -	7 -	H -		
21	MR 8	P33.4- 167.7-1	370 280	x -	x x	7 -	cFH -		
22	MR 9	NP166 -	80 80	240 -	30 5	7 -	CDFH -		
23	MR 11	K142.5-204 -	900 900	x -	x x	0 -	cFHJ -		
24	MR 12	M613.5-10- 13	130 50	x -	x x	5 -	CH -		
25	MR 9	NP166 -	800 800	240 -	30 5	0 -	cDFH -		
26	MR 11	K142.5- 61.8-195	1,200 360	x -	x x	7 -	CH -		
27	MR 9	NP184 -	2,600 2,600	150 -	30 5	0 -	cDFH -		
28	MR 9	NP184 -	156,000 156,000	150 -	30 5	0 -	cDFH -		
29	MR 9	NP191 -	840 840	x -	x x	0 -	cDFH -		
30	MR 8	- -	480 240	- -	- -	5 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE: NEBRASKA
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COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
MURRAY		244 -	244 -	S -	0.04 -	0.4 0.09	ShCiFtrCpBo -	Rock Creek -	1
NEBRASKA CITY		6,872 -	5,000 -	S -	x -	- -	None -	Missouri River -	2
NELIGH		1,822 -	1,750 -	S -	x -	- -	None -	Elkhorn River -	3
NELSON		806 -	750 -	C -	x -	- -	None -	Elk Creek -	4
NEWCASTLE		426 -	420 -	S -	x -	0.5 0.05	ShCmFtrCpDmBo -	North Aowa Creek -	5
NEWMAN GROVE		1,004 -	850 -	S -	x -	x x	Cs -	Shell Creek -	6
NIOBRARA		577 -	1,150 -	S -	x -	- -	None -	Missouri River -	7
NORFOLK		11,335 -	11,700 -	S -	x -	- -	None -	Elkhorn River -	8
NORFOLK	Norfolk Rendering Co.	7 -	- -	20 P	0.07E CP	- -	None -	Elkhorn River -	9
NORFOLK	Roman Packing Co.	25 -	- -	20 F	x x	- -	None -	Elkhorn River -	10
NORFOLK	State Hospital	- 1.213-3	1,210 -	S -	x -	x x	ScShCpFtrIcDcpBo -	Land -	11
NORTH BEND		906 -	1,100 -	S -	x -	1.2 0.12	ShCmFtrCpDcpBo* -	Platte River -	12
NORTH PLATTE		15,433 -	10,100 -	S -	x -	- -	None -	North Platte River	13
NORTH PLATTE	- -	- -	6,900 -	S -	x -	- -	None -	South Platte River	14
NORTH PLATTE	Flicker Packing Co.	30 -	- -	20 F	0.12E CP	- -	None -	North Platte River	15
NORTH PLATTE	North Platte Stockyards	15 -	- -	20 R	x x	- -	None -	North Platte River	16
NORTH PLATTE	Sixth Street Market	3 -	- -	20 E	.015E CP	- -	None -	North Platte River	17
OAKLAND		1,456 -	1,330 -	S -	x -	- -	None -	Logan Creek -	18
OGALLALA		3,456 -	2,000 -	S -	x -	2.0 0.10	ScCp(AmCp)DcpBo* -	South Platte River	19
OGALLALA	Union Pacific Railroad	x -	- -	34 I	x x	- -	None -	South Platte River	20
OMAHA		251,117 -	180,000 -	CS -	x -	- -	None -	Missouri River -	21
OMAHA	S. D. # 6	- -	800 - -	S -	0.25 -	2.5 0.375	ShCmDm -	x -	22
OMAHA	District # 20	- -	600 -	S -	0.075 -	1.05 x	AcAmEgDcpXd -	Little Pappillion Creek	23
OMAHA	-Western Part	- -	60,000 -	CS -	x -	60.0 6.0	GmS ScCmAaCmDfrBc -	Little Papillion Creek	24
OMAHA	Greater Omaha Packing Co.	x -	- -	20 F	x x	- -	None -	Missouri River -	25
OMAHA	Quaker Oats Furfural Plant	x -	- -	20 R	x x	- -	None -	Missouri River -	26
OMAHA	South Omaha Packers	x -	- -	20 F	x x	- -	None -	Missouri River -	27
O'NEILL		3,027 -	2,500 -	C -	x -	- -	None -	Elkhorn River -	28
ORD		2,239 -	1,100 -	CS -	x -	- -	None -	North Loup River -	29
ORD	Ord Rendering Co.	x -	- -	20 P	x x	- -	Lo -	Lagoon -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	7 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 12	M601.3-6 -	244 60	x -	x x	7 *	x -		
2	MR 12	M579.3 -	19,200 19,200	x -	x x	0 -	ACEFHK -		
3	MR 8	P33.4- 187.7	2,130 2,130	36 -	30 5	0 -	cFH -		
4	MR 11	* -	750 750	x -	x x	0 -	aCH -	*K142.5-61.8-116-9.4	
5	MR 12	M774-8-13 -	420 200	x -	x x	5 -	CH -		
6	MR 8	P83.5-69.7 -	2,580 2,580	x -	x x	4 -	cH -		
7	MR 12	M884 -	1,150 1,150	x -	x x	0 -	CFH -		
8	MR 8	P33.4- 143.5	25,200 25,200	x -	x x	0 -	cFHI -		
9	MR 8	P33.4-135 -	2,400 2,400	x -	x x	0 -	cFHI -		
10	MR 8	P33.4-143 -	3,640 3,640	x -	x x	0 -	cFHI -		
11	MR 8	- -	1,210 250	- -	- -	7 -	- -		
12	MR 8	P72.8 -	1,100 1.100	x -	x x	5 -	cfH -	*Plant not used	
13	MR 9	NP5.0 -	35,780 35,780	100 -	30 5	0 -	CDFHI -		
14	MR 10	SP5.0 -	6,900 6,900	0 -	30 5	0 -	CDFHI -		
15	MR 9	NP5 -	1,020 1,020	100 -	30 5	0 -	CDFHI -		
16	MR 9	NP5 -	420 420	100 -	30 5	0 -	CDFHI -		
17	MR 9	NP5 -	1,100 1,100	100 -	30 5	0 -	CDFHI -		
18	MR 8	P33.4-43.8 -17	1,540 1,540	27 -	30 5	0 -	cFH -		
19	MR 10	SP56 -	2,000 2,000	x -	x x	4 -	CDFH -	*Plant not operated	
20	MR 10	SP55 -	x x	x -	x x	0 -	CDFH -		
21	MR 12	M631.4 -	1,280,770 1,280,770	x -	x x	0 -	aCEFHK -		
22	MR 12	x -	800 530	x -	x x	7 *	x -		
23	MR 12	M613.5-14- 6	600 120E	x -	x x	7 -	CFH -		
24	MR 12	M613.5-14- 0.5	60,000 15,000	x -	x x	1 -	CH -		
25	MR 12	M631.4 -	2,600 2,600	x -	x x	0 -	aCEFHK -		
26	MR 12	M631.4 -	250,000 250,000	x -	x x	0 -	aCEFHK -		
27	MR 12	M631.4 -	21,000 21.000	x -	x x	0 -	aCEFHK -		
28	MR 8	P33.4- 236.1	4,820 4,820	10 -	30 5	0 -	cFH -		
29	MR 8	P103-67.5- 50.3	1,750 1,750	530 -	30 5	0 -	acDH -		
30	MR 8	- -	x 0	- -	- -	7 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	8 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ORD	Ord Slaughterhouse	x -	- -	20 E	x x	- -	None -	North Loup River -	1
ORLEANS		956 -	900 -	CS -	x -	- -	None -	Republican River -	2
OSCEOLA		1,098 -	950 -	S -	x -	x x	CsFsBo -	Prairie Creek -	3
OSHKOSH		1,124 -	700 -	C -	x -	- -	None -	Lost Cr. to North Platte River	4
OSMOND		732 -	700 -	S -	x -	0.75 0.05	CiFsBo -	North Branch Elkhorn River	5
OVERTON		497 -	450 -	S -	0.50 -	0.70 1.0	ScCpFtrDp -	Buffalo Creek -	6
OXFORD		1,270 -	1,000 -	S -	x -	x x	ShCp(AmCp)DcpBo -	Republican River -	7
PALISADE		694 -	500 -	S -	x -	x x	CsFsBo -	Frenchman Creek -	8
PAPILLION		1,034 -	700 -	S -	x -	- -	None -	West Papillion Creek	9
PAWNEE CITY		1,606 -	1,600 -	S -	x -	x x	ScCmFtrCmDcpBo -	Turkey Creek -	10
PAXTON		606 -	450 -	S -	x -	x x	Sc(AmCp)DcpBo -	South Platte River	11
PENDER		1,167 -	1,350 -	CS -	x -	- -	None -	Drainage Ditch -	12
PENDER	Independent Rendering Co.	3 -	- -	20 P	x x	- -	None -	Logan Creek -	13
PERU		1,265 -	1,000 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Ditch to Missouri River	14
PIERCE		1,167 -	1,000 -	S -	x -	- -	None -	North Fork of Elkhorn River	15
PILGER		512 -	550 -	S -	x -	- -	None -	Elkhorn River -	16
PLATTE CENTER		422 -	422 -	S -	0.03 -	0.45 x	ScAa -	Shell Creek -	17
PLAINVIEW		1,427 -	1,430 -	S -	- -	x x	CsBo -	Dry Creek -	18
PLATTSMOUTH		4,874 -	4,000 -	C -	x -	- -	None -	Missouri River -	19
PLYMOUTH		348 -	350 -	S -	x -	x x	L -	Lagoon -	20
POLK		508 -	450 -	S -	x -	0.65 x	CiFtBo -	Dry Creek -	21
PONCA		893 -	1,020 -	C -	x -	- -	None -	Aowa Creek -	22
POTTER		421 -	400 -	S -	x -	x x	Lo -	Lagoon -	23
RALSTON		1,300 -	900 -	S -	x -	- -	None -	Big Papillion Creek	24
RANDOLPH		1,029 -	900 -	S -	x -	x x	CiFtnBo -	Dog Creek -	25
RAVENNA		1,451 -	1,600 -	S -	x -	- -	None -	South Loup River -	26
RED CLOUD		1,744 -	1,700 -	S -	x -	- -	None -	Republican River -	27
REPUBLICAN CITY		580 -	580 -	S -	x -	x x	CiFtBo -	Republican River -	28
RUSHVILLE		1,266 -	1,000 -	S -	x -	x x	CiFtnBo -	Rush Creek -	29
ST. EDWARD		917 -	890 -	S -	x -	- -	None -	Beaver River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	8 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT 15	FUTURE	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR	P103-67.5-	340	530	30	0	acDH			
	8	50	340	-	5	-		-		
2	MR	K169.2-255	3,600	x	x	0	cH			
	11	-	3,600	-	x	-		-		
3	MR	*	950	x	x	1	cH		*K142.5-247.3-22.4-5	
	11	-	380	-	x	or4		-		
4	MR	NP95-1	1,030	x	x	0	cH			
	9	-	1,030	-	x	-		-		
5	MR	P33.4-	700	x	x	5	cFH			
	8	141.8-25	700	-	x	-		-		
6	MR	P231.4-1-	450	x	x	7		x		
	8	10	100	-	x	-		x		
7	MR	K169.2-	2,520	x	x	7	CFH			
	11	279.8	760	-	x	-		-		
8	MR	K169.2-	500	71	30	1	cFH			
	11	351.6-23.6	160	-	5	-		-		
9	MR	M613.5-10-	700	x	x	0	cH			
	12	5	700	-	x	-		-		
10	MR	M511.2-	1,600	x	x	5	CH			
	12	40.5-46-19	400	-	x	-		-		
11	MR	SP36	450	x	x	7	CDFH			
	10	-	100	-	x	-		-		
12	MR	P33.4-43.8	3,030	x	x	0	cfH			
	8	-44.6	3,030	-	x	-		-		
13	MR	P33.4-43.8	380	x	x	0	cfH			
	8	-44	380	-	x	-		-		
14	MR	M561-2	1,000	x	x	5	CH			
	12	-	250	-	x	-		-		
15	MR	P33.4-	1,180	16	30	0	cFH			
	8	141.8-22.4	1,180	-	5	-		-		
16	MR	P33.4-	550	x	x	0	cFH			
	8	110.5	550	-	x	-		-		
17	MR	P83.5 40	422	x	x	7	CH			
	8	-	100E	-	x	-		-		
18	MR	P33.4-	1,430	x	x	5		-		
	8	141.8-40	1,140	-	x	-		-		
19	MR	M607.5	25,410	x	x	0	ACEFHK			
	12	-	25,410	-	x	-		-		
20	MR	-	350	-	-	7		-		
	11	-	0	-	-	-		-		
21	MR	K142.5-	450	0	-	7	L			
	11	247.3-40	220	-	-	-		-		
22	MR	M774-8	1,020	x	x	0	CH			
	12	-	1,020	-	x	-		-		
23	MR	-	400	-	-	7		-		
	10	-	-	-	-	-		-		
24	MR	M613.5-15	900	x	x	0	CH			
	12	-	900	-	x	-		-		
25	MR	P33.4-43.8	900	x	x	5		x		
	8	-60-25	750	-	x	-	d			
26	MR	P103-67.5-	2,170	98	30	0	cH			
	8	25.2-15.4	2.170	-	5	-		-		
27	MR	K169.2-	4,850	x	x	0	cH			
	11	186.7	4,850	-	x	-		-		
28	MR	K169.2-240	580	30	30	7	cFH			
	11	-	150	-	5	-		-		
29	MR	N264-13	1,000	x	x	1	cFH			
	5	-	300	-	x	-		-		
30	MR	P103-25.1-	890	37	30	0	cH			
	8	22.6	890	-	5	-		-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ST. PAUL		1,676 -	1,710 -	S -	x -	- -	None -	Middle Loup River -	1
SARGENT		818 -	500 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Middle Loup River -	2
SCHUYLER		2,883 -	2,500 -	S -	x -	- -	None -	Lost Creek -	3
SCOTIA		474 -	360 -	S -	025E -	0.5 0.05	CiLo -	Creek to North Loup River	4
SCOTTSBLUFF		12,858 -	9,000 -	S -	x -	- -	None -	North Platte River	5
SCOTTSBLUFF	Co-op. Cannery	x -	- -	20 C	x -	- -	None -	North Platte River	6
SCOTTSBLUFF	Co-op Oil Refinery	x -	- -	29 A	x x	- -	7 (Separator) -	North Platte River	7
SCOTTSBLUFF	Flicker Packing Co.	5 -	- -	20 F	x x	- -	None -	North Platte River	8
SCOTTSBLUFF	Great Western Sugar Refinery	x -	- -	20 A	x -	x x	4 (Evaporate Steffen Waste)	North Platte River	9
SCOTTSBLUFF	H & B Packing Co	4 -	- -	20 F	.005E P	- -	None -	North Platte River	10
SCOTTSBLUFF	Hersch Packing Co.	8 -	- -	20 F	x x	- -	None -	North Platte River	11
SCOTTSBLUFF	Idlewild Dairy	16 -	- -	20 HI	x x	- -	None -	North Platte River	12
SCOTTSBLUFF	Scottsbluff Rendering Co.	x -	- -	20 P	x x	- -	None -	North Platte River	13
SCRIBNER		913 -	910 -	S -	x -	- -	None -	Elkhorn River -	14
SEWARD		3,154 -	3,100 -	S -	x -	- -	None -	Big Blue River -	15
SHELBY		624 -	350 -	S -	x -	x x	ScCpKmCmDcpBo -	Dry Creek -	16
SHELTON		1,032 -	700 -	S -	x -	1.30 0.065	Sc(AmCp)DcpBo -	Wood River -	17
SHICKLEY		316 -	120 -	S -	0.04 -	0.40 0.08	ScShAmCpDpBo -	Dry Sandy Creek -	18
SIDNEY		4,912 -	8,000 -	S -	1.5 -	15.0 x	ShScCmFthCmDcprtXdp -	Lodgepole Creek -	19
SIDNEY	Sioux Ordnance Depot	1,900 -	- -	34 *I	x x	- -	Is -	Ground -	20
SIDNEY	Sioux Ordnance Depot	- -	630 -	x -	x -	x x	Secondary -	Land -	21
SIDNEY	Star Packing Co.	x -	- -	20 F	x x	- -	None -	Lodgepole Creek -	22
SIDNEY	Union Pacific R.R.	x -	- -	34 I	x x	- -	None -	Lodgepole Creek -	23
SILVER CREEK		444 -	300 -	S -	x -	- -	None -	Platte River -	24
SNYDER		369 -	320 -	S -	x -	x x	CiBo -	Pebble Creek -	25
SOUTH SIOUX CITY		5,557 -	3,500 -	S -	x -	- -	None -	Missouri River -	26
SPALDING		713 -	800 -	S -	x -	- -	None -	Cedar River -	27
SPENCER		540 -	480 -	S -	x -	- -	None -	Ponca Creek -	28
SPRINGFIELD		377 -	300 -	S -	x -	x x	CiFtBo -	Creek to Platte River	29
STANTON		1,403 -	930 -	C -	x -	- -	None -	Elkhorn River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1957	9 of 11

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 8	P103-67.5- 6.6	1,900 1,900	560 -	30 5	0 -	cH -		
2	MR 8	P103-67.5- 86.3	500 120	590 -	30 5	5 -	CDH -		
3	MR 8	P84-4 -	2,500 2,500	x -	x x	0 -	cH -		
4	MR 8	* -	x x	x -	x x	7 -	x -	*P103.0-67.5-25.8-0.2	
5	MR 9	NP174 -	12,520 12,520	240 -	30 5	0 -	cDFH -		
6	MR 9	NP174 -	4,000 4,000	240 -	30 5	0 -	CDFH -		
7	MR 9	NP174 -	x 1.200	240 -	30 5	2 -	cDFH -		
8	MR 9	NP174 -	550 550	240 -	30 5	0 -	cDFH -		
9	MR 9	NP173 -	x 623,000	240 -	30 5	2 -	cDFH -		
10	MR 9	NP174 -	720 720	240 -	30 5	0 -	cDFH -		
11	MR 9	NP174 -	1,160 1,160	240 -	30 5	0 -	cDFH -		
12	MR 9	NP174 -	1,600 1,600	240 -	30 5	0 -	cDFH -		
13	MR 9	NP174 -	2,200 2.200	240 -	30 5	0 -	cDFH -		
14	MR 8	P33.4-55 -	1,290 1.290	84 -	30 5	0 -	cFH -		
15	MR 11	K142.5- 225.3	4,100 4.100	x -	x x	0 -	CH -		
16	MR 11	K142.5- 247.3-18	350 180	x -	x x	7 -	x -		
17	MR 8	P161.4- 43.1	700 180	x -	x x	7 -	CFH -		
18	MR 11	* -	120 30	x -	x x	7 -	x -	*K142,5-61.8-68.1-11-26	
19	MR 10	SP90-55.7 -	8,000 1,600E	3 -	x x	7 -	CH -		
20	MR 10	- -	inorganic inorganic	- -	- -	7 -	- -	*Service and clean Government vehicles.	
21	MR 10	- -	630 0	- -	- -	7 -	- -		
22	MR 10	SP90-55 -	330 330	x -	x x	0 -	CFH -		
23	MR 10	SP90-55 -	x x	x -	x x	0 -	CFH -		
24	MR 8	P127.2 -	300 300	0 -	30 5	0 -	cH -		
25	MR 8	P33.4-53.1 -13.4	320 240	x -	x x	2 -	cFH -		
26	MR 12	M760 -	3,500 3.500	x -	x x	0 -	CEFHK -		
27	MR 8	P103-40-53 -	800 800	80 -	30 5	0 -	cH -		
28	MR 5	M891.6-35 -	480 480	x -	x x	0 -	x -		
29	MR 8	P12-3 -	300 150	x -	x x	7 -	x -		
30	MR 8	P33.4- 127.2	3,660 3.660	x -	x x	0 -	cFH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE NEBRASKA
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
STAPLEHURST		224 -	200 -	S -	x -	x x	CiEg* -	Blue River -	1
STAPLETON		363 -	350 -	S -	0.05 -	1.0 0.144	ShScAmCpDpBo -	South Loup River -	2
STERLING		547 -	200 -	S -	x -	x x	Ci -	North Fork of Big Nemaha River	3
STRATTON		628 -	600 -	S -	x -	x x	ShCiFtnBo -	Republican River -	4
STROMSBURG		1,231 -	1,250 -	S -	x -	x x	ShCiFtrCpBo -	north Branch of Blue River	5
STUART		785 -	400 -	S -	x -	0.84 x	CiFtnBo -	Elkhorn River -	6
SUPERIOR		3,227 -	3,200 -	S -	x -	- -	None -	Republican River -	7
SUTTON		1,353 -	1,300 -	S -	x -	1.60 0.20	ScCp(AmCp)DcpBo -	School Creek -	8
SYRACUSE		1,097 -	950 -	CS -	x -	- -	None -	Little Nemaha River	9
TALMAGE		398 -	400 -	S -	x -	0.60 0.020	CpFtrCpDcpBo -	Little Nemaha River	10
TECUMSEH		1,930 -	1,600 -	S -	x -	- -	None -	North Fork of Big Nemaha River	11
TEKAMAH		1,914 -	1,800 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Tekamah Creek -	12
THEDFORD		275 -	150 -	S -	x -	- -	None -	Middle Loup River -	13
THURSTON		156 -	150 -	S -	x -	0.30 .0016	Ci -	Creek to Logan Creek	14
TILDEN		1,033 -	850 -	S -	x -	x x	CsBo -	Elkhorn River -	15
TRENTON		1,239 -	850 -	S -	x -	x x	Sc(AmCp)DcpBo -	Republican River -	16
ULYSSES		374 -	300 -	S -	x -	- -	None -	Big Blue River -	17
VALENTINE		2,700 -	2,000 -	S -	x -	- -	None -	Minnechaduza Creek	18
VALLEY		1,113 -	1,000 -	S -	x -	x x	CiFtnBo -	Elkhorn River -	19
VERDIGRE		570 •	570 -	C -	0.037 -	x x	ScCmDcpXdp -	Verdigre Creek -	20
VERDIGRE	Verdigre Creamery & Locker Plant	x -	- -	20 FL	x x	- -	None -	Verdigre Creek -	21
WAHOO		3,128 -	3,300 -	S -	x -	- -	None -	Wahoo Creek -	22
WAKEFIELD		1,027 -	1,150 -	S -	x -	- -	None -	Logan Creek -	23
WALTHILL		958 -	1,000 -	S -	x -	- -	None -	Omaha Creek -	24
WATERLOO		382 -	380 -	S -	x -	x x	x -	Elkhorn River -	25
WATERLOO	Roberts Dairy	24 -	- -	20 L	x x	x x	C Ft -	Elkhorn River -	26
WAUNETA		926 -	900 -	S -	x -	- -	None -	Frenchman Creek -	27
WAUSA		708 -	750 -	C -	x -	x x	Sc(AmCp)DcpBo -	Cr. to North Br. Elkhorn River	28
WAVERLY		310 -	310 -	S -	0.023 -	0.9 x	Lo -	Lagoon -	29
WAYNE		3,595 -	4,000 -	S -	x -	- -	None -	South Fork of Logan Creek	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT	DOWNSTREAM WATER USE: FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR	K142.5-236	200	x	x	1	cH		*Chlorinator not used	
	11	-	130	-	x	-		-		
2	MR	P103-67.5-	350	x	x	7	cH			
	8	25.2-150	90	-	x	-		x		
3	MR	M511.2-	200	x	x	7	CH			
	12	40.5-70.3	150	-	x	-		-		
4	MR	K169.2-	600	2	30	7	cfH			
	11	374.9	240	-	5	-		-		
5	MR	K142.5-	1,250	x	x	7	CH			
	11	247.3-29.5	320	-	x	-		-		
6	MR	P33.4-	400	x	x	7	CFH			
	8	269.5	200	-	x	-		-		
7	MR	K169.2-	15,200	52	30	0	cH			
	11	154.4	15,200	-	5	-		-		
8	MR	*	1,300	x	x	7		x	*K142.5-192.1-34.1-33-7	
	11	-	200	-	x	-		-		
9	MR	M544.6-42	950	x	x	0	CH			
	12	-	950	-	x	-		-		
10	MR	M544.6-28	400	x	x	5	cH			
	12	-	120	-	x	-		-		
11	MR	M511.2-	2,280	x	x	0	ACH			
	12	40.5-56.6	2,280	-	x	-		-		
12	MR	M689-7.5-	1,800	x	x	7	CH			
	12	0.2	450	-	x	-		-		
13	MR	P103-67.5-	150	x	x	0	c			
	8	135	150	-	x	-		-		
14	MR	P33.4-43.8	150	x	x	7	cfH			
	8	-48	100	-	x	-		-		
15	MR	P33.4-	850	36	30	4	cFH			
	8	174.2	850	-	5	-		-		
16	MR	K169.2-	850	1	30	7	cfH			
	11	362.1	300	-	5	-		-		
17	MR	K142.5-246	300	x	x	0	CH			
	11	-	300	-	x	-		-		
18	MR	N146-4	2,160	x	x	0	cfH			
	5	-	2,160	-	x	-		-		
19	MR	P33.4-15.1	1,000	190	30	5	c			
	8	-	400	-	5	-		-		
20	MR	N5-9	570	x	x	7	CFH			
	5	-	380E	-	x	-		-		
21	MR	N5-9	520	x	x	0		x		
	5	-	520	-	x	-		-		
22	MR	P26.4-2.8-	5,460	x	x	0	cH			
	8	25	5,460	-	x	-		-		
23	MR	P33.4-43.8	1,150	x	x	0	cfH			
	8	-60	1,150	-	x	-		-		
24	MR	M746-4.5-	1,000	x	x	0	cH			
	12	17	1,000	-	x	-		-		
25	MR	P33.4-13	380	x	x	7	cf			
	8	-	x	-	x	-		-		
26	MR	P33.4-13.2	2,160	x	x	5	cf			
	8	-	860	-	x	-		-		
27	MR	K169.2-	900	71	30	0	cFH			
	11	351.6-42.3	900	-	5	-		-		
28	MR	P33.4-	750	x	x	7	CFH			
	8	141.8-50	250	-	x	-		-		
29	MR	-	310	-	-	7		-		
	8	-	0	-	-	-		-		
30	MR	P33.4-43.8	6,140	x	x	0	cfH			
	8	-60-9.6	6,140	-	x	-		-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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NEBRASKA	1957	11 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT	INSTITUTION OR INDUSTRY	1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
WAYNE	Wayne Rendering Co.	5 -	- -	20 P	.015E CP	- -	None -	South Fork Logan Creek	1
WEEPING WATER		1,070 -	750 -	S -	x -	1.40 0.065	ScCp(AmCp)DcpBo -	Weeping Water Creek	2
WEST LINCOLN		426 -	(400) -	S -	x -	- -	See Lincoln -	Salt Creek -	3
WESTON		345 -	100 -	S -	x -	- -	None -	Wahoo Creek -	4
WEST POINT		2,658 -	2,030 -	S -	x -	- -	None -	Elkhorn River -	5
WEST POINT	West Point Rendering Co.	2 -	- -	20 P	0.02E CP	- -	None -	Elkhorn River -	6
WILBER		1,356 -	1,300 -	S -	x -	- -	None -	Big Blue River -	7
WINNEBAGO		684 -	390 -	S -	x -	- -	None -	Omaha Creek -	8
WINSIDE		454 -	400 -	C -	x -	- -	None -	South Fork of Logan Creek	9
WISNER		1,233 -	1,260 -	S -	x -	- -	None -	Elkhorn River -	10
WOLBACH		442 -	400 -	S -	x -	x x	ScCp(AmCp)DcpBo -	Spring Creek -	11
WOOD RIVER		858 -	600 -	S -	x -	1.20 0.072	ScCp(AmCp)IpDcpBo -	Gravel Pit -	12
WYMORE		2,258 -	2,700 -	S -	x -	x x	ScCmFtrCpDcpBo -	Big Blue River -	13
YORK		6,178 -	6,000 -	C -	0.537 -	11.84 x	GhSmCmFtlhCmDhmsXd -	Beaver Creek -	14
YUTAN		287 -	280 -	S -	x -	x x	C1FtCpBo -	Clear Creek -	15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
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LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 8	P33.4-43.8 -60-9	1,370 1,370	x -	x x	0 -	cfH -		
2	MR 12	M585.8-25 -	750 200	x -	x x	7 -	ACH -		
3	MR 8	- -	- -	- -	- -	- -	- -		
4	MR 8	P26.4-2.8- 33.2	100 100	x -	x x	0 -	cH -		
5	MR 8	P33.4-75.5 -	4,400 4,400	84 -	30 5	0 -	cFH -		
6	MR 8	P33.4-75 -	580 580	84 -	30 5	0 -	cFH -		
7	MR 11	K142.5- 167.1	1,300 1,300	x -	x x	0 -	cFHJ -		
8	MR 12	M746-4.5-8 -	390 390	x -	x x	0 -	CH -		
9	MR 8	P33.4-43.8 -60-19.4	400 400	x -	x x	0 -	cfH -		
10	MR 8	P33.4-98.3 -	1,260 1,260	x -	x x	0 -	cFH -		
11	MR 8	P103-66.5- 10.6	400 80	x -	x x	5 -	cH -		
12	MR 8	- -	600 150	- -	- -	5 -	- -		
13	MR 11	K142.5- 110.7	2,700 800	54 -	30 5	7 -	CFH -		
14	MR 11	K142.5- 34.1-19.5	9,000 1,800E	x -	x x	7 -	CDFHL -		
15	MR 8	P26.4-2.8- 1-17	280 70	x -	x x	7 -	x -		
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

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NEBRASKA

Community or facility providing sewer service	Communities and/or facilities served
LINCOLN	West Lincoln

NORTH DAKOTA

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	1 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
ABERCROMBIE		244 -	200 -	S -	x -	- -	Privately-owned Septic Tanks*	Red River -	1
ALICE	Stanglers Meat Market	x -	- -	20 F	x x	- -	None -	Maple River -	2
AMENIA		127 -	120 -	S -	x -	- -	Privately-owned Septic Tanks*	Rush River -	3
ANAMOOSE		542 -	500 -	C -	x -	- -	I -	Land -	4
ANETA	Aneta Creamery & Produce	x -	- -	20 x	.002E P	x x	Cs -	Sheyenne River -	5
ANETA	Farmers Union Locker Plant	x -	- -	20 R	x x	x x	Cs -	Sheyenne River -	6
ARNEGARD		206 -	100 -	S -	x -	0.275 .0165	Ci -	Timber Creek -	7
ASHLEY		1,423 -	1,140 -	S -	x -	2.5 0.175	Ci -	Dry creek -	8
BEACH		1,461 -	1,350 -	C -	0.08 -	2.0 0.2	Lo -	Lagoon -	9
BELCOURT	Indian Agency Headquarters	- 400-1	400 -	S -	x -	0.45 0.056	ShCiB -	Ox Creek -	10
BELFIELD		1,051 -	1,250 -	S -	x -	1.0 0.06	Ci -	Heart River -	11
BELFIELD	Andy's Coal Mine	x -	- -	11 B	x x	- -	None -	Heart River -	12
BEULAH		1,501 -	1,000 -	S -	x -	x x	Cs -	Knife River -	13
BISBEE		365 -	320 -	S -	0.016 -	0.5 0.02	Lo -	Lagoon -	14
BISMARCK		18,640 -	22,000 -	S -	x -	- -	None -	Missouri River -	15
BISMARCK	Bismarck Abattoir	x -	- -	20 E	x x	- -	None -	Missouri River -	16
BISMARCK	Northern Hide & Fur Co.	x -	- -	20 P	x x	- -	Is -	Subsurface -	17
BOTTINEAU		2,268 -	1,680 -	C -	0.10E -	3.0 0.3	CpCiBo -	Oak Creek -	18
BOWBELLS		806 -	500 -	S -	x -	1.25 0.075	CsI -	Stony Creek -	19
BOWMAN		1,382 -	890 -	S -	x -	1.0 0.06	ShGhCiBo -	Spring Creek -	20
BUTTE		272 -	250 -	S -	x -	x x	Lo -	Wintering River -	21
CANDO		1,570 -	1,500 -	C -	x -	x x	CsI -	Land -	22
CARRINGTON		2,101 -	1,500 -	S -	x -	1.75 0.125	ShGhCpFtnDcrBo -	Kelly Creek -	23
CARRINGTON	Carrington Sausage Co.	x -	- -	20 F	x x	x x	Cs -	Kelly Creek -	24
CARRINGTON	Neil's Meat Market	x -	- -	20 E	x x	- -	Is -	Cesspool -	25
CARSON		493 -	350 -	S -	x -	0.60 0.036	Ci -	Dry Run to Antelope Creek	26
CASSELTON		1,373 -	950 -	C -	x -	0.9 0.06	Cs -	Swan Creek -	27
CAVALIER		1,459 -	1,350 -	S -	0.08 -	2.0 0.2	Lo -	Lagoon -	28
CENTER		492 -	300 -	S -	0.018 -	0.5 0.02	Lo -	Lagoon -	29
COLUMBUS		525 -	300 -	S -	x -	1.0 x	CiBo -	Creek to West Br. Short Creek	30

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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE NORTH DAKOTA
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LINE No.	DRAIN-AGE BASIN	WATER-COURSE MILEAGE	P.E. (BOD)	STREAM FLOW FOR DESIGN		POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE		REMARKS	ADDITIONAL COMMENTS
	SUB-BASIN		UNTREATED WASTE DISCHARGED WASTE	MINIMUM FLOW CFS	Duration (Days) Frequency (Years)		PRESENT	FUTURE		
	9	10	11	12	13	14	15		16	17
1	UM 1	R377 -	440 370	x -	x x	4 -	ABCFIJ	 -	*Effluents discharge into municipal sewers	
2	UM 1	R273-19-78 -	220 220	0 -	- -	0 -		x x		
3	UM 1	R273-20-11 -27	120 100	0 -	** 1	4 -		x x	*Effluents discharge into municipal sewers.**60-120	
4	UM 1	R273-518 -	900 900	- -	- -	0 -	chN	 -		
5	UM 1	R273-320 -	650 550	0 -	- -	4 -		x x		
6	UM 1	R273-320 -	120 100	0 -	- -	4 -		x x		
7	MR 3	M1631-22 -	100 80	0 -	- -	4 -	L	 -		
8	MR 3	- -	1,750 1,170	- -	- -	4 -		- -		
9	MR 3	- -	1,350 0	- -	- -	7 -		- -		
10	MR 3	S57-22-57 -	400 300	0 -	- -	4 -	CH	 -		
11	MR 3	M1373.3- 235	1,250 1,000	0 -	- -	4 -	ABCDFI	 -		
12	MR 3	M1373.3- 233	- -	0 -	- -	0 -	ABCDFI	 -		
13	MR 3	M1440.6-32 -	1,000 900	7 -	30 5	4 -	CFH	 -		
14	MR 3	- -	350 0	- -	- -	7 -		- -		
15	MR 3	M1377 -	24,700 24,700	x -	x x	0 -	ADFHI	 -		
16	MR 3	M1377.4 -	780 780	x -	x x	0 -	ADFHI	 -		
17	MR 3	- -	340 0	- -	- -	7 -		- -		
18	MR 3	S57-13-21 -	3,520 2,300	0 -	- -	4 -	CH	 -		
19	MR 3	S242.5-66- 7	650 420	0 -	- -	4 -	L	 -		
20	MR 4	* -	890 625	0 -	- -	4 -	L	 -	*M1253.6-209-97.2-35	
21	MR 3	S130.5-45 -	250 70	0 -	- -	7 -	CH	 -		
22	MR 3	- -	3,120 2,650	- -	- -	4 -		- -		
23	MR 6	J640 21 -	3,625 1,800	0 -	- -	4 -	CFHI	 -		
24	MR 6	J640-21 -	300 300	0 -	- -	7 -	CFHI	 -		
25	MR 6	- -	230 0	- -	- -	7 -		- -		
26	MR 3	M1373.3-86 -16	350 260	0 -	- -	4 -	L	 -		
27	UM 1	R273-21-9 -	1,800 *1,620	0 -	120 1	4 -	cfi	N -	*Intermittent raw discharge	
28	UM 1	- -	1,450 -	- -	- -	1 -		- -		
29	MR 3	- -	300 0	- -	- -	7 -		- -		
30	MR 3	S7-10 -	300 200	0 -	- -	4 -	L	 -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
COLUMBUS	Columbus Cold Storage	x -	- -	20 E	x x	- -	I -	Land -	1
COLUMBUS	Truax Coal Co.	x -	- -	11 B	x x	- -	None -	Intermittent Creek	2
COOPERSTOWN		1,189 -	800 -	C -	x -	x x	Cs -	Sheyenne River -	3
CROSBY		1,689 -	1,500 -	C -	x -	x x	Cs -	Sheyenne River -	4
DEVILS LAKE		6,427 -	5,000 -	C -	x -	6.0 x	Lo -	Devils Lake -	5
DICKINSON		7,469 -	8,000 -	S -	0.45 -	8.0 0.48	ScCmFthCmDcmrBo -	Heart River -	6
DICKINSON	Dakota Briquette & Tar Products Co	x -	- -	11 A	x x	- x	Lo -	Lagoon -	7
DICKINSON	Dickinson Coal Mine Co.	x -	- -	11 B	x x	- -	None -	Heart River -	8
DICKINSON	Queen City Packing Co.	x -	- -	20 F	x x	- -	None -	Heart River -	9
DICKINSON	Queen City Refinery	20 -	- -	29 A	0.20 -	x 0.288	7 (Separator) Lo -	Northern Pacific Railroad Reserv'r	10
DRAKE		831 -	1,050 -	C -	x -	0.50 x	CsI -	Dry creek -	11
DRAYTON		875 -	850 -	S -	x -	- -	None -	Red River -	12
DRAYTON	Drayton Creamery Co.	x -	- -	20 L	x x	x x	Cs -	Red River -	13
DUNN CENTER		246 -	200 -	S -	0.012 -	0.4 0.04	Lo -	Lagoon -	14
DUNSEITH		713 -	600 -	S -	x -	1.0 -	Lo -	Lagoon -	15
EAST FAIRVIEW		- 155-1	(35) -	x -	- -	- -	See Fairview, Montana	Drain ditch to Yellowstone River	16
EDGELEY		943 -	800 -	C -	x -	0.82 0.019	ShCIBo -	Intermittent Creek	17
EDINBURG	Edinburg Creamery	x -	- -	20 L	x x	x x	Is -	Sub-surface -	18
EDINBURG	J.G. Hall Sons Potatoes	x -	- -	20 *R	x x	- x	I -	Land -	19
ELGIN		882 -	500 -	S -	0.35 -	1.0 0.50	Lo -	Lagoon -	20
ELLENDALE		1,759 -	1,500 -	C -	x -	x x	Cs -	Dry brook to Maple River	21
ENDERLIN		1,504 -	1,400 -	C -	x -	x x	Cs -	Maple River -	22
FAIRMOUNT		660 -	620 -	C -	x -	- -	None -	Bois de Soix River	23
FARGO		38,256 -	40,000 -	C -	3.5 -	35.0 3.45	ShSgCmFtnDhBo -	Red River -	24
FARGO	Red Owl Warehouse	x -	- -	20 R	0.012 x	0.020 0.02	CiF -	Big Slough Drainage Ditch	25
FESSENDEN		917 -	700 -	C -	x -	x x	Lo -	Lagoon -	26
FINLEY		671 -	640 -	S -	x -	0.60 0.036	Ci -	South Branch of Goose River	27
FLASHER		413 -	300 -	S -	0.015 -	0.5 0.05	Lo -	Lagoon -	28
FLAXTON		436 -	350 -	S -	x -	0.4 x	Lo -	Lagoon -	29
FORDVILLE		376 -	310 -	S -	x -	0.3 -	Lo -	Lagoon -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE No.	DRAIN-AGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 3	- -	280 0	- -	- -	7 -	- -		
2	MR 3	S6-10 -	- -	0 -	- -	7 -	L -		
3	UM 1	R273-325 -	1,060 830	1.0 -	8 *	4 -	x -	*1 in 6	
4	MR 3	S30-12 -	1,680 1,430	- -	- -	4 -	- -		
5	MR 3	- -	11,650 0	- -	- -	1 -	- -		
6	MR 3	M1373.3- 201.3	9,050 4,500	6.0* -	x x	2 or4	CDFI -	*Minimum flow from Dickinson Reservoir	
7	MR 3	- -	- -	- -	- -	7 -	- -		
8	MR 3	M1373.3- 184	- -	x -	x x	0 -	CDFI -		
9	MR 3	M1373.3- 200.5	1,700 1,700	x -	x x	0 -	CDFI -		
10	MR 3	- -	x x	- -	- -	7 -	B -		
11	MR 3	S130.5-30 -	1,350 1,350	0 -	- -	4 -	CH -		
12	UM 1	R53 -	950 950	x -	x x	0 -	CFI -		
13	UM 1	R53 -	640 540	x -	x x	4 -	CFI -		
14	MR 3	- -	200 0	- -	- -	7 -	- -		
15	MR 3	- -	600 0	- -	- -	2 -	- -		
16	MR 2	- -	- -	- -	- -	- -	- -		
17	MR 6	J429-45-65 -	1,610 1,050	0 -	- -	4 -	CH N -		
18	UM 1	R67-71 -	230 0	- -	- -	7 -	- -		
19	UM 1	R67-71 -	inorganic inorganic	- -	- -	7 -	- -	*Potato washing plant	
20	MR 3	- -	500 0	- -	- -	7 -	- -		
21	MR 6	J429-45-15 -	2,480 2,250	0 -	- -	4 -	CH -		
22	UM 1	R273-20-52 -	1,400 1,200	0 -	* *	4 -	cfi N** -	*120-150 days each year. **During low stream flows	
23	UM 1	R394-18 -	1,000 1,000	x -	x x	0 -	ABCFIJ -		
24	UM 1	R286 -	48,700 20,000	14 -	30 5	2 -	ABCFI -		
25	UM 1	R285-5 -	190 80	0 -	150 1	2 -	L -		
26	MR 6	- -	700 0	- -	- -	7 -	- -		
27	UM 1	R203-24-41 -	940 770	0 -	- -	4 -	CFI -		
28	MR 3	- -	300 0	- -	- -	2 -	- -		
29	MR 3	- -	350 0	- -	- -	2 -	- -		
30	UM 1	- -	310 0	- -	- -	7 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
NORTH DAKOTA	1957	PAGE 3 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
FORDVILLE	Fordville Creamery	x -	- -	20 L	x x	x x	I -	Forest River -	1
FORMAN		466 -	400 -	S -	x -	0.4 0.05	Cs -	Wild Rice River -	2
FORT BERTHOLD	Indian School -Eastern Unit	- 240-5	240 -	S -	x -	0.2 x	Lo -	Lagoon -	3
FORT BERTHOLD	Indian School -Southern Unit	- 100-5	100 -	S -	x -	0.1 x	Cs -	Creek to Missouri River	4
FORT BERTHOLD	Indian School -Western Unit	- 240-5	240 -	S -	x -	0.2 x	Lo -	Lagoon -	5
FORT LINCOLN		- 200-1	200 -	S -	x -	- -	None -	Apple Creek -	6
FORT YATES		- 1,152-1	550 -	S -	x -	0.50 0.056	ShCiBo -	Missouri River -	7
GACKLE		604 -	500 -	S -	x -	0.6 0.035	CiBo -	Land -	8
GARRISON		1,890 -	1,400 -	C -	x -	1.02 0.061	CiBo -	Dry Run Creek to Garrison Res.	9
GARRISON	Custer Coal Mine	x -	- -	11 B	x x	- -	None -	Intermittent Creek	10
GLEN ULLIN		1,324 -	900 -	S -	x -	0.8 0.108	ShCiBo -	Muddy Creek -	11
GOLVA		174 -	160 -	S -	0.008 -	0.25 0.01	Lo -	Lagoon -	12
GOODRICH		448 -	350 -	S -	x -	0.470 0.03	ShCiBo -	Sheyenne River -	13
GRAFTON		4,901 -	4,700 -	C -	2.0 -	4.0 3.0	ShGhCmFtnDcmrBo -	Park River -	14
GRAFTON	Aasand Potato Co.	x -	- -	20 R	x x	- x	CsI -	Land -	15
GRAFTON	Gillespie Meat Market	x -	- -	20 F	x x	x x	Is -	Sub-surface -	16
GRAFTON	Grafton Locker Co.	x -	- -	20 R	x x	x x	Is -	Sub-surface -	17
GRAND FORKS		26,836 -	28,000 -	C -	1.3 -	20.26 1.0	ShGhCmDh -	Red River -	18
GRAND FORKS	Armour & Co.	x -	- -	20 F	2.25 x	x x	Cs -	Red River -	19
GRAND FORKS	Associated Potato Growers	x -	- -	20 *R	0.025 x	- -	L -	Red River -	20
GRAND FORKS	Meat Service Co.	x -	- -	20 F	0.005 x	x x	Cs -	English Coulee -	21
GRAND FORKS	N.D. Mill & Elevator	x -	- -	20 *R	3.2 x	- -	None -	Red River -	22
GRAND FORKS	Potato Growers, Inc.	x -	- -	20 *R	0.025 x	- x	L -	Red River -	23
GRAND FORKS	Potato Packers Inc.	x -	- -	20 *R	0.020 x	- x	C -	Red River -	24
GRAND FORKS	U. S. Air Force Base*	- 1,500-6	1,500 -	S -	x -	1.5 -	Lo -	Lagoon -	25
GRENORA		525 -	500 -	S -	x -	0.3 x	CiLoBo -	Lagoon -	26
HALLIDAY	Bosch Meat Co.	x -	- -	20 F	x x	x x	CsIs -	Subsurface -	27
HANKINSON		1,409 -	1,050 -	C -	x -	x x	Cs -	Wild Rice River -	28
HARVEY		2,337 -	2,000 -	C -	x -	- -	None -	Sheyenne River -	29
HATTON		991 -	600 -	S -	x -	0.5 0.030	CiLoBo -	Land -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	3 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 1	R96-78 -	230 230	x -	x x	4 -	x x		
2	UM 1	R315-115 -	400 280	0 -	150 1	4 -	CFI -		
3	MR 3	- -	240 -	- -	- -	7 -	- -		
4	MR 3	- -	100 0	- -	- -	7 -	- -		
5	MR 3	- -	240 0	- -	- -	7 -	- -		
6	MR 3	M1365.1-9 -	200 200	0 -	24 *	0 -	CFH -	*1 in 6 yrs.	
7	MR 3	M1307.6 -	550 400	x -	x x	4 -	DFHI -		
8	MR 6	J555-50 -	500 325	- -	- -	4 -	- -		
9	MR 3	M1462-10 -	1,400 1,000	x -	x x	4 -	ADEFH -		
10	MR 3	M1460-15 -	- -	0 -	- -	7 -	L -		
11	MR 3	M1373.3-63 -48	1,060 740	0 -	- -	4 -	CI -		
12	MR 3	- -	160 0	- -	- -	7 -	- -		
13	UM 1	R273-557 -	350 230	0 -	- -	4 -	L -		
14	UM 1	R67-30 -	5,500 2,400	0 -	90 1	2-4 -	CFHI -		
15	UM 1	R67-30 -	inorganic inorganic	- -	- -	7 -	- -		
16	UM 1	R67-30 -	520 0	- -	- -	7 -	- -		
17	UM 1	R67-30 -	400 0	- -	- -	7 -	- -		
18	UM 1	R140 -	32,850 24,000	200 -	30 5	2-4 -	acfi N -		
19	UM 1	R140 -	32,100 27,300	200 -	30 5	4 -	acfi N -		
20	UM 1	R141 -	inorganic inorganic	200 -	30 5	7 -	acfi N -	*Potato washing plant	
21	UM 1	R138-3 -	600 520	0 -	- -	4 -	acfi N -		
22	UM 1	R141 -	2,500 2,500	200 -	30 5	0 -	acfi N -	*Grain washing wastes	
23	UM 1	R141 -	inorganic inorganic	200 -	30 5	7 -	acfi N -	*Potato washing plant	
24	UM 1	R141 -	inorganic inorganic	200 -	30 5	7 -	acfi N -	*Potato washing plant	
25	UM 1	- -	1,500 0	- -	- -	7 -	- -	*To be in operation Oct. - Nov. 1956.	
26	MR 3	- -	500 0	- -	- -	2 -	- -		
27	MR 3	- -	220 0	- -	- -	7 -	- -		
28	UM 1	R315-72 -	1,660 1,400	0 -	- -	4 -	CFI -		
29	UM 1	R273-462 -	2,500 2,500	0 -	- -	0 -	CFHI -		
30	UM 1	R202-46-25 -	900 0	- -	- -	4 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	4 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES: Treatment	TREATMENT FACILITIES: Discharge to	LINE No.
1		2	3	4	5	6	7	8	
HATTON	Dean Osking Potato Washing	x -	- -	20 R	0.014 x	- -	None -	North Branch Goose River	1
HAZELTON		453 -	350 -	S -	x -	x -	Lo -	Lagoon -	2
HAZEN		1,230 -	1,000 -	C -	x -	0.70 0.042	ShCiBo -	Knife River -	3
HEBRON		1,412 -	1,300 -	S -	0.10 -	1.5 0.110	GpSiCiFtrCp -	Little Knife River	4
HETTINGER		1,762 -	1,600 -	C -	x -	x x	Cs -	Hidden Wood Creek -	5
HILLSBORO		1,331 -	1,300 -	C -	x -	- -	None -	Goose River -	6
HOOPLE	Hoople Seed Potato Co.	x -	- -	20 R	*.024 x	- -	I -	Land -	7
HOPE		470 -	350 -	S -	x -	1.0 x	Lo -	Lagoon -	8
HUNTER	Hunter Creamery	x -	- -	20 L	x x	- -	None -	Elm River -	9
JAMESTOWN		10,697 -	10,000 -	S -	0.60 -	13.0 2.0	Lo -	Lagoon -	10
JAMESTOWN	Jamestown R.R. Shop	x -	- -	34 I	x x	- -	None -	James River -	11
JAMESTOWN	Orleans Canning Co.	x -	- -	20 F	0.02 .	6.5 0.025	11, C 9 C Lo -	Pipestem Creek -	12
JAMESTOWN	State Hospital	- 2.375-2	2,375 -	S -	x -	2.0 0.40	ShCiFtlhCmBo -	James River -	13
JAMESTOWN	Stock Sales Co.	x -	- -	20 R	x x	- -	None -	Pipestem Creek -	14
KENMARE		1,712 -	1,200 -	S -	x -	- -	None -	Des Lacs River -	15
KILLDEER		698 -	560 -	S -	x -	0.6 0.024	ShCiBo -	Spring Creek -	16
KINDRED		504 -	500 -	x -	0.030 -	0.8 0.075	SiCiFtrBo -	Sheyenne River -	17
KULM		707 -	500 -	S -	x -	1.0 x	CiBo -	Intermittent Creek	18
LAKOTA		1,032 -	1,100 -	C -	x -	x x	Cs -	Slough -	19
LA MOURE		1,010 -	850 -	C -	x -	- -	None -	James River -	20
LANGDON		1,838 -	1,500 -	S -	x -	x x	CiI -	Land -	21
LARIMORE		1,374 -	1,230 -	S -	x -	1.2 0.06	Lo -	Lagoon -	22
LEEDS		778 -	1,000 -	C -	x -	1.0 0.05	ShGhCiFsBo* -	Intermittent Creek	23
LIDGERWOOD		1,147 -	1,100 -	C -	x -	x x	Cs -	Wild Rice River -	24
LINTON		1,675 -	1,600 -	S -	x -	1.50 0.09	ShCiFtnBo -	Beaver Creek -	25
LINTON	Linton Slaughtering Co.	x -	- -	20 E	x x	- -	None -	Beaver Creek -	26
LISBON		2,031 -	1,500 -	C -	0.10 -	2.0 0.25	ShCiFtnBo -	Sheyenne River -	27
LISBON	N.D. State Old Soldier's Home	- 200-1	200 -	S -	x -	x x	SiCiFtrCpBo -	Sheyenne River -	28
McCLUSKY		850 -	600 -	S -	x -	0.72 x	CiI -	Land -	29
McVILLE		626 -	500 -	C -	x -	x x	CsI -	Land -	30

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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	4 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	UM 1	R203-46-13 -	inorganic inorganic	0 -	120 1	0 -	L -		
2	MR 3	- -	350 0	- -	- -	7 -	- -		
3	MR 3	M1440.6- 12.5	1,000 750	7 -	30 5	4 -	CFH -		
4	MR 3	M1440.6-62 -50	1,670 620	0 -	- -	2 -	CH -		
5	MR 4	M1253.6- 195-30	1,600 1,440	0 -	- -	4 -	L -		
6	UM 1	R202-28 -	2,640 2.640	0 -	x 1	0 -	CI N -		
7	UM 1	R67-71 -	inorganic inorganic	- -	- -	7 -	- -	*5 months per year	
8	UM 1	- -	475 0	- -	- -	2 -	- -		
9	UM 1	R227-40 -	260 260	0 -	- -	0 -	x x		
10	MR 6	- -	12,550 0	- -	- -	*7 -	- -	*Should be "1" if the State Hospital connects	to the municipal system.
11	MR 6	J577 -	*100 *100	0 -	5-20 1	0 -	CFHI -	*Also inorganic waste	
12	MR 6	J578-1 -	6,500 600	0 -	- -	7 -	CFHI -		
13	MR 6	J577 -	2,375 1,200	0 -	5-20 1	4 or6	CFHI -		
14	MR 6	J578-2 -	400 400	0 -	- -	0 -	CFHI -		
15	MR 3	S242.5-56 -	3,500 3,500	x -	x x	0 -	DI -		
16	MR 3	M1440.6- 38.6-75.6	560 400	0 -	- -	4 -	CH -		
17	UM 1	R273-68 -	700 400	10 -	30 5	2 or4	ABCF -		
18	MR 6	J429-45-70 -	660 430	0 -	- -	4 -	L -		
19	MR 3	- -	1,660 1.400	- -	- -	4 -	- -		
20	MR 6	J506 -	2,170 2.170	x -	x x	0 -	CFHI -		
21	UM 1	R3-76-26 -	1,800 1,400	- -	- -	4 -	- -		
22	UM 1	- -	3,320 0	- -	- -	1 -	- -		
23	MR 3	x -	1,000 1,000	0 -	- -	4 -	L -	*Plant by-passed.	
24	UM 1	R315-109 -	1,100 1,000	0 -	- -	4 -	CFI -		
25	MR 3	M1321-22 -	2,550 1,510	0 -	- -	4 -	CH -		
26	MR 3	M1320.5-31 -	250 250	0 -	- -	0 -	CH -		
27	UM 1	R273-162 -	1,680 800	0 -	- -	2 or4	CFI -		
28	UM 1	R273-158 -	200 60	0 -	- -	7 -	CFI -		
29	UM 1	R273-568 -	600 0	- -	- -	4 -	- -		
30	UM 1	R273-348 -	800 0	- -	- -	4 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
NORTH DAKOTA	1957	PAGE 5 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
MADDOCK		741 -	700 -	S -	0.070 -	1.0 0.1	Lo (2 stage) -	Lagoon -	1
MANDAN		7,298 -	9,000 -	C -	x -	- -	None -	Heart River -	2
MANDAN	Mandan Livestock Sales Co.	x -	- -	20 R	x x	- -	I -	Land -	3
MANDAN	Miller & Swanick	x -	- -	20 E	x x	x x	CsIs -	Subsurface -	4
MANDAN	Russel Miller Milling Co.	x -	- -	20 *R	x x	- -	None -	Heart River -	5
MANDAN	Standard Oil Refinery	250 -	- -	29 A	0.725 -	x 2.0	7 (Separator) Lo -	Heart River -	6
MANDAN	State Training School	- 250-1	250 -	S -	x -	- -	None -	Heart River -	7
MANVEL	Spencer Creamery Co.	x -	- -	20 L	x x	- -	None -	Turtle River -	8
MARMARTH		469 -	400 -	S -	x -	x x	Cs -	Little Missouri River	9
MAX		465 -	400 -	x -	x -	0.5 x	Lo -	Lagoon -	10
MAYVILLE		1,790 -	1,500 -	C -	x -	x x	Ci -	Goose River -	11
MEDINA		564 -	500 -	S -	0.035 -	0.5 0.05	Lo -	Lagoon -	12
MICHIGAN CITY		486 -	400 -	x -	x -	x x	Lo -	Lagoon -	13
MILNOR		674 -	700 -	S -	x -	1.0 0.6	CiBo -	Dry Run Ditch -	14
MINNEWAUKAN		443 -	350 -	S -	0.017 -	0.5 0.035	Lo -	Lagoon -	15
MINOT		22,032 -	20,000 -	C -	1.5 -	20.0 4.0	ScGhCmFtrCmDtVvXp -	Souris River -	16
MINOT	Eatmore Sausage Co.	x -	- -	20 F	0.010 x	- -	None -	Souris River -	17
MINOT	Minot Sand & Gravel Co.	x -	- -	39 -	0.30 x	- x	C -	Souris River -	18
MINOT	Northwest Rendering Co.	x -	- -	20 P	0.006 x	x x	Lo -	Lagoon -	19
MINOT	U. S. Air Force Base*	- 1.500-6	1,500 -	S -	x -	1.5 -	Lo -	Lagoon -	20
MINTO		592 -	500 -	S -	0.035 -	1.0 0.1	Lo -	Lagoon -	21
MINTO	Minto Locker Co.	x -	- -	20 E	x x	x x	Is -	Sub-surface -	22
MOHALL		1,073 -	800 -	C -	x -	x x	Cs -	Spring Coulee -	23
MOTT		1,583 -	1,200 -	C -	x -	0.50 x	Cs -	Cannonball River -	24
NAPOLEON		1,070 -	750 -	S -	x -	x x	CiI -	Land -	25
NECHE		615 -	550 -	S -	x -	x -	Lo -	Lagoon -	26
NEW ENGLAND		1,117 -	1,000 -	S -	0.06 -	1.5 x	Lo -	Lagoon -	27
NEW LEIPZIG		447 -	400 -	S -	x -	0.40 0.010	Ci -	Dry creek to Cannonball River	28
NEW ROCKFORD		2,185 -	1,800 -	C -	x -	0.50 x	Cs -	James River -	29
NEW SALEM		942 -	800 -	S -	x -	1.0 -	Lo -	Lagoon -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	5 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	UM 1	- -	1,750 0	- -	- -	7 -		- -		
2	MR 3	M1373.3-7 -	16,000 16,000	0 -	* 1	0 -	CFH	 -	*120-150	
3	MR 3	- -	120 0	- -	- -	7 -		- -		
4	MR 3	- -	400 0	- -	- -	7 -		- -		
5	MR 3	M1373.3-8 -	360 360	0 -	** 1	0 or6	CFH	 -	*Grain washing waste **120-150	
6	MR 3	M1373.3- 7	x x	6* -	200 1	7 -	CFH	 -		*Flow controlled by upstream Reservoir release
7	MR 3	M1373.3-8 -	550 550	0 -	* 1	0 -	CFH	 -	*120-150	
8	UM 1	R119-25 -	230 230	0 -	* 1	0 -		x x	*Jan. to April	
9	MR 3	M1506.8- 306.4	400 400	0 -	- -	4 -	CDF	 -		
10	MR 3	- -	400 0	- -	- -	1 -		- -		
11	UM 1	R202-60 -	2,000 1,700	0 -	200 1	2 or4	CI	 -		
12	MR 6	- -	500 0	- -	- -	7 -		- -		
13	UM 1	R119-59 -	820 0	- -	- -	7 -		- -		
14	UM 1	R315-112 -	700 460	0 -	- -	4 -	L	 -		
15	MR 3	- -	350 0	- -	- -	7 -		- -		
16	MR 3	S220 -	27,780 7,000	10 -	* 1	1 -	CDHI	 -	*Regulated	
17	MR 3	S220 -	1,910 1,940	10 -	* 1	0 or6	CDHI	 -	*Regulated	
18	MR 3	S232 -	inorganic inorganic	10 -	* 1	7 -	CDHI	 -	*Regulated	
19	MR 3	- -	1,000 0	- -	- -	7 -		- -		
20	MR 3	- -	1,500 0	- -	- -	7 -		- -	*To be in operation Oct. - Nov. 1956	
21	UM 1	- -	500 0	- -	- -	7 -		- -		
22	UM 1	R86-21 -	220 0	- -	- -	7 -		- -		
23	MR 3	S28.2-16-7 -60	1,270 1,270	0 -	- -	4 -	CH	 -		
24	MR 3	M1333.4- 214.7	1,560 1,370	0 -	150 1	4 -	CDFH	 -		
25	MR 3	- -	1,040 750	- -	- -	4 -		- -		
26	UM 1	- -	700 -	- -	- -	7 -		- -		
27	MR 3	- -	1,740 0	- -	- -	7 -		- -		
28	MR 3	M1333.4- 171.6	400 300	1.4 -	30 5	4 -	CDFH	 -		
29	MR 6	J665 -	2,300 2,300	0 -	- -	4 -	CFHI	 -		
30	MR 3	- -	890 0	- -	- -	7 -		- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	6 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
NEWTOWN		- 1.400-6	1,000 -	S -	x -	0.6 0.060	Lo -	Lagoon -	1
NOONAN		551 -	380 -	S -	x -	1.0 0.05	ShCiBo* -	Creek to Long Creek	2
NOONAN	Bauhal Noonan, Inc.	x -	- -	11 B	x x	- -	None -	Intermittent Creek	3
NORTHWOOD		1,182 -	1,000 -	S -	0.06 -	1.5 0.09	Lo -	Lagoon -	4
NORTHWOOD	Halverson Bros.	x -	- -	20 E	x x	x x	Is -	Sub-surface -	5
OAKES		1,774 -	1,420 -	C -	x -	- -	None -	James River -	6
PARK RIVER		1,692 -	1,400 -	C -	x -	2.0 -	Lo -	Lagoon -	7
PARSHALL		935 -	750 -	S -	x -	0.80 x	Ci -	Dry creek to Shell Creek	8
PETERSBURG	Petersburg Coop. Creamery	x -	- -	20 L	x x	x x	Cs -	Turtle River -	9
PLAZA		389 -	300 -	S -	x -	0.4 -	Lo -	Lagoon -	10
PORTLAND		641 -	400 -	S -	0.02 -	1.0 0.04	Lo -	Lagoon -	11
POWERS LAKE		565 -	320 -	S -	x -	1.0 0.05	ShCiBo -	Slough -	12
RAY		721 -	480 -	S -	x -	0.40 0.035	CiBo -	Beaver Creek -	13
REGENT		405 -	350 -	S -	x -	0.4 0.025	ShCiBo -	Cannonball River -	14
RICHARDTON		721 -	600 -	S -	x -	0.5 0.025	ShCiBo -	Dry Run -	15
RIVERDALE		- 2.000-1	2,000 -	S -	x -	- -	None -	Missouri River -	16
ROLETTE		451 -	400 -	S -	0.04* -	1.0 0.1	Lo -	Lagoon -	17
ROLLA		1,176 -	1,100 -	C -	0.07 -	1.0 0.1	Lo -	Lagoon -	18
RUGBY		2,907 -	3,000 -	C -	x -	x x	ShCiFtrBo -	Land -	19
RUGBY	Red Owl Agency	x -	- -	20 E	x x	- -	I -	Land -	20
RYDER	Ryder Co-op Creamery	x -	- -	20 L	.005E CP	x x	Cs -	Lake -	21
ST. THOMAS	Baldwin Potato Co.	x -	- *-	20 *R	.025E CP	- -	I -	Land -	22
ST. THOMAS	Fulson-Kennedy Potato Co.	x -	- -	20 *R	0.08E CP	x x	x -	Land -	23
SAN HAVEN	State T.B. Hospital	- 300-6	300 -	S -	0.03E -	x x	CiBo -	Willow Creek -	24
SCRANTON		360 -	320 -	S -	x -	4.0 -	Lo -	Lagoon -	25
SHARON	Sharon Processing Plant	x -	- -	20 F	x x	- -	Is -	Sub-surface -	26
SHERWOOD	Sherwood Creamery Association	x -	- -	20 L	x x	- -	I -	Land -	27
SOUTH WEST FARGO		1,032 -	1,500 -	S -	0.2 -	1.0 0.1	ShCmFtrCmDcBo -	Sheyenne River -	28
SOUTH WEST FARGO	Fargo Packing Co.	x -	- -	20 E	x x	x x	x -	Nameless Creek -	29
STANLEY		1,486 -	1,400 -	C -	x -	1.5 -	Lo -	Lagoon -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	6 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN	WATERCOURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE	PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15		16	17
1	MR 3	- -	1,000 0	- -	- -	1 -		- -		
2	MR 3	S8-22 -	380 380	0 -	- -	4 -		x -	*Plant often by-passed.	
3	MR 3	S15 -	- -	0 -	- -	7 -		x -		
4	UM 1	- -	1,110 0	- -	- -	7 -		- -		
5	UM 1	R203-161 -	530 0	- -	- -	7 -		- -		
6	MR 6	J484 -	2,000 2,000	x -	x x	0 -	CFHI	 -		
7	UM 1	- -	1,600 0	- -	- -	7 -		- -		
8	MR 3	M1525-21 -	750 650	0 -	- -	4 -		x -		
9	UM 1	R119-67 -	500 400	0 -	- -	7 -		x x		
10	MR 3	- -	350 0	- -	- -	7 -		- -		
11	UM 1	- -	1,200 0	- -	- -	1 -		- -		
12	MR 3	- -	320 300	- -	- -	4 -		- -		
13	MR 3	M1590-30 -	480 380	0 -	- -	4 -	L	 -		
14	MR 3	M1333.4- 239.1	350 300	0 -	- -	4 -	CDFH	 -		
15	MR 3	M1440.6-62 -60	600 420	0 -	- -	4 -	CH	 -		
16	MR 3	M1455 -	2,000 2.000	x -	x x	0 -	ADEFH	 -		
17	MR 3	- -	400 0	- -	- -	1 -		- -	*Considerable ground water infiltration	
18	MR 3	- -	1,100 0	- -	- -	1 -		- -		
19	MR 3	S6-30-12 -	3,600 1.800	- -	- -	2 or4		- -		
20	MR 3	- -	160 0	- -	- -	7 -		- -		
21	MR 3	- -	880 800	- -	- -	7 -		x -		
22	UM 1	- -	inorganic inorganic	- -	- -	7 -		- -	*Potato washing plant	
23	UM 1	- -	inorganic inorganic	- -	- -	7 -		- -	*Potato washing plant	
24	MR 3	S57-55 -	300 250	0 -	- -	4 -		x -		
25	MR 4	- -	350 0	- -	- -	7 -		- -		
26	UM 1	R203-94-42 -	160 0	- -	- -	7 -		- -		
27	MR 3	- -	170 0	- -	- -	7 -		- -		
28	UM 1	R273-26 -	1,600 1,000	10 -	30 5	4 -	ABCDF	 -		
29	UM 1	R273-25-1 -	150 100	10 -	30 5	7 -	ABCDF	 -		
30	MR 3	- -	1,520 0	- -	- -	7 -		- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
NORTH DAKOTA	1957	PAGE 7 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
STANTON		571 -	500 -	S -	x -	- -	None -	Knife River -	1
STEELE		762 -	580 -	S -	x -	0.70 x	ShCiI -	Land -	2
STRASBURG		733 -	520 -	S -	x -	1.50 0.15	ShCiI Bo -	Land -	3
STREETER		602 -	500 -	S -	0.04 -	1.5 0.15	CiI -	Land -	4
SUNNYSIDE	Armour & Co.	x -	- -	20 R	x x	- -	I -	Land -	5
TIOGA		456 -	1,000 -	x -	x -	1.0 0.07	ShCiBo -	Small creek to Beaver Creek	6
TOWNER		955 -	600 -	C -	x -	- -	None -	Souris River -	7
TURTLE LAKE		839 -	600 -	S -	x -	1.0 x	Lo* -	Lagoon -	8
UNDERWOOD		1,061 -	800 -	S -	x -	1.0 0.10	ShCiBo -	Dry creek -	9
VALLEY CITY		6,851 -	6,100 -	C -	x -	5.0 0.80	ShGhCmAaCmDcmrBo -	Sheyenne River -	10
VALLEY CITY	Valley City Rendering Co.	x -	- -	20 P	x x	x x	Le -	Lagoon -	11
VELVA		1,170 -	1,110 -	C -	x -	- -	None -	Souris River -	12
VELVA	Joe Feist	x -	- -	20 E	x x	- -	None -	Souris River -	13
VELVA	Truax Mining Co.	x -	- -	11 B	x x	- -	None -	Souris River -	14
WAHPETON		5,125 -	4,000 -	C -	x -	5.0 x	ScCmFtnDcmrBo** -	Red River -	15
WALHALLA		1,463 -	1,000 -	C -	x -	- -	None -	Pembina River -	16
WALHALLA	M.C.Rutherford Potato Wash Co.	x -	- -	20 R	x x	- -	None -	Pembina River -	17
WASHBURN		913 -	1,200 -	C -	x -	- -	None -	Missouri River -	18
WATFORD CITY		1,371 -	1,200 -	S -	0.07 -	1.5 0.1	Lo -	Lagoon -	19
WEST FARGO		159 -	(150) -	S -	- -	- -	See West Fargo-Armour & Co.	Sheyenne River -	20
WEST FARGO *	Armour & Co.	x -	x -	20 F	1.0 x	50.0 2.0	SfApKmCmFthCmFthCmDm -	Sheyenne River -	21
WESTHOPE		575 -	500 -	S -	x -	- -	None -	Small creek to Souris River	22
WILDROSE		430 -	400 -	S -	x -	1.0 x	Lo -	Lagoon -	23
WILLISTON		7,378 -	6,000 -	C -	x -	- -	None -	Missouri River -	24
WILLISTON	Williston Basin Refining Corp.	15 -	- -	29 A	.0063 -	x .0084	7 (Separator) Lo -	Little Muddy Cr. -	25
WILTON		796 -	500 -	C -	x -	1.0 x	CiBo -	Burnt Creek -	26
WIMBLEDON		449 -	350 -	x -	x -	x x	Cs -	Baldhill Creek -	27
WISHEK		1,241 -	1,250 -	S -	x -	1.5 0.10	Lo -	Lagoon -	28
WYNDMERE	Wyndmere Creamery	x -	- -	20 L	x x	- -	None -	Wild Rice River -	29
WYNDMERE	Wyndmere Locker Co.	x -	- -	20 R	x x	- -	Is -	Sub-surface -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	7 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 3	M1440.6- 0.5	500 500	x -	x x	0 -	CFH -		
2	MR 3	- -	580 450	- -	- -	4 -	- -		
3	MR 3	- -	520 450	- -	- -	4 -	- -		
4	MR 6	- -	600 400	- -	- -	2 or4	- -		
5	MR 3	- -	160 0	- -	- -	7 -	- -		
6	MR 3	M1590-34 -	1,000 800	0 -	- -	4 -	L -		
7	MR 3	S102 -	1,600 1,600	15 -	30 1	0 -	CDHI -		
8	MR 3	- -	2,100 0	- -	- -	7 -	- -	*Under construction-1956	
9	MR 3	M1446-15 -	880 700	0 -	- -	4 -	L -		
10	UM 1	R273-253 -	8,570 3,000	0 -	- -	2 or4	CFIH -		
11	UM 1	R273-253 -	1,200 0	- -	- -	7 -	- -		
12	MR 3	S178 -	1,320 1.320	15 -	30 1	0 -	CDHI -		
13	MR 3	S178 -	180 180	15 -	30 1	0 -	CDHI -		
14	MR 3	S188 -	- -	15 -	30 1	0 -	CDHI -		
15	UM 1	R392 -	4,240 4 240	40 -	* 1	2 or6	ABCFIJ -	*10-30	*Plant often by-passed
16	UM 1	R3-88 -	1,100 1,100	0 -	x 1	0 -	ACF -		
17	UM 1	R3-88 -	inorganic inorganic	0 -	- -	0 -	ACF -		
18	MR 3	M1418.5 -	1,200 1.200	x -	x x	0 -	ADEFH -		
19	MR 3	- -	1,300 0	- -	- -	1 -	- -		
20	UM 1	- -	- -	- -	- -	- -	- -		
21	UM 1	R273-26 -	42,500 2,120	10 -	30 5	7 -	CF -		
22	MR 3	S15-3 -	500 500	0 -	- -	0 -	L -		
23	MR 3	- -	400 0	- -	- -	7 -	- -		
24	MR 3	M1644.2 -	6,810 6.810	x -	x x	*0 -	ADEFH -	*Lagoon to be constructed by C.of E.	
25	MR 3	M1643.4-1 -	x x	0 -	100 1	7 -	ADEFH -		
26	MR 3	M1380-24 -	640 450	0 -	- -	4 -	x -		
27	UM 1	R273-276- 29	600 500	x -	x x	4 -	x x		
28	MR 3	- -	1,490 0	- -	- -	1 -	- -		
29	UM 1	R315-78 -	110 110	x -	x x	0 -	x x		
30	UM 1	R315-78 -	150 0	- -	- -	7 -	- -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE NORTH DAKOTA	YEAR 1957	PAGE 8 of 8

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ZAP		625 -	300 -	x -	x -	x x	ClBo -	Spring Creek -	1
ZEELAND		484 -	500 -	x -	x -	3.0 x	ClLo -	Lagoon -	2
									3
									4
									5
									6
									7
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
NORTH DAKOTA	1957	8 of 8

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 3	M1440.6- 38.6-11	300 200	0 -	- -	4 -	CH -		
2	MR 4	- -	500 0	- -	- -	1 -	- -		
3									
4									
5									
6									
7									
8									
9									
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STATE	YEAR	PAGE
NORTH DAKOTA	1957	8a of 8

NORTH DAKOTA

Community or facility providing sewer service	Communities and/or facilities served
WEST FARGO - ARMOUR & CO.	West Fargo
FAIRVIEW, MONTANA	East Fairview

SOUTH DAKOTA

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	
SOUTH DAKOTA	1957	PAGE 1 of 7

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
ABERDEEN		21,051 -	20,000 -	S -	2.0E -	32.5 2.75	GmSh[CiCm]FtnCm DcghrmtBoLs	Mocassin Creek -	1
ABERDEEN	Carharter Bros. Processing	2E -	- -	20 EFG	.023E P	- -	None -	Foot Creek -	2
ABERDEEN	N.W. Packing Co.	6 -	- -	20 F	.063E P	- -	11(blood recovery) -	Foot Creek -	3
ABERDEEN	Torigian Packing Co.	4E -	- -	20 F	.005E P	- -	None -	Small Creek -	4
ALCESTER		585 -	550 -	S -	.024E -	0.80 0.048	CiFtrCpBo -	Brule Creek -	5
ALEXANDRIA		714 -	600 -	S -	.035E -	0.8 0.06	CiBo -	Pierre Creek -	6
ANDOVER		277 -	225 -	C -	.014E -	- -	None -	Mud Creek -	7
ARLINGTON		1,096 -	1,000 -	S -	0.09E -	1.50 0.12	CiFtnCpLs -	Small Creek -	8
ARMOUR		900 -	1,000 -	S -	0.05E -	1.5 0.08	CiFtnCpBo -	Choteau Creek -	9
ARTESIAN		429 -	420 -	C -	.024E -	- -	None -	Small creek -	10
ASHTON		222 -	150 -	C -	0.01E -	- -	None -	James River -	11
AVON		692 -	500 -	SC -	.025E -	- -	None -	Choteau Creek -	12
BELLE FOURCHE		3,540 -	3,000 -	S -	.060E -	- -	None -	Belle Fourche River -	13
BELLE FOURCHE	U & I Sugar Refinery	200-S -	- -	20 A	5.0 -	190.0 x	LcLp -	Belle Fourche River -	14
BERESFORD		1,686 -	1,600 -	SC -	0.10E -	2.0 -	Lo -	Ash Creek -	15
BISON		457 -	300 -	S -	.015E -	0.15 -	Lo -	Thunder Butte Creek -	16
BONESTEEL		485 -	450 -	S -	0.03 -	0.60 -	Lo -	North Scalp Creek -	17
BOWDLE		788 -	700 -	S -	.046E -	1.0 x	CiBo -	Swan Creek -	18
BRIDGEWATER		748 -	700 -	C -	.040E -	- -	None -	Wolf Creek -	19
BRISTOL		647 -	600 -	S -	0.09E -	1.2 0.108	CiFtrCpBo -	Landlocked Lake Bed -	20
BRITTON		1,430 -	1,070 -	S -	0.07E -	x x	CiFtnLs -	Landlocked Lake Bed -	21
BROOKINGS		7,764 -	7,800 -	S -	0.5 -	11.65 0.82	ShChCmFthCmDchmBoLs* -	Six Mile Creek -	22
BRYANT		624 -	600 -	S -	0.03 -	0.6 0.03	CiBo -	Landlocked Slough -	23
BUFFALO		380 -	370 -	S -	.019E -	0.5 0.035	CiBo -	South Fork Grand River -	24
BURKE		829 -	825 -	S -	0.06 -	1.0 0.06	CiBoLo -	Br. of South Fork of Whetstone Cr.	25
CANISTOTA		687 -	650 -	C -	0.04E -	0.65 0.05	CiBo -	Small Cr. to West Fk. Vermillion R.	26
CANTON		2,530 -	2,300 -	S -	0.15E -	3.0 0.225	Lo -	Big Sioux River -	27
CARTHAGE		458 -	400 -	C -	0.03 -	0.75 0.072	CiBo -	Redstone Creek -	28
CASTLEWOOD		498 -	450 -	S -	0.1E -	1.6 0.11	Lo -	Big Sioux River -	29
CENTERVILLE		1,053 -	1,000 -	CS -	0.05E -	1.20 0.072	CiFtrCpBo -	Vermillion River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	1 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT 15	FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 6	J378-43 -	20,520E 5,100E	0 -	- -	2 -	ACH	-		
2	MR 6	J378-43-4 -	780E 780E	0 -	- -	0 -	CH	-		
3	MR 6	J378-43-4 -	1,325E 1,325E	0 -	- -	0 -	CH	-		
4	MR 6	J378-43-4 -	130E 130E	0 -	- -	0 -	CH	-		
5	MR 7	BS41.8-20 -	550E 110E	0 -	- -	7 -	CH	-		
6	MR 6	J124-6 -	700E 490E	0 -	- -	2 -	BcFHI	-		
7	MR 6	J338-43 -	225E 225E	0 -	- -	0 -	CFH	-		
8	MR 7	x -	1,000E 250E	0 -	- -	7 -	CH	-		
9	MR 4	M397-55 -	1,000E 400E	0 -	- -	5 -	CH	-		
10	MR 6	J170-10 -	610E 610E	0 -	- -	0 -	CH	-		
11	MR 6	J315 -	150E 150E	0 -	- -	0 -	ACDFH	-		
12	MR 4	M897-10-10 -	500 500	0 -	- -	0 -	CH	-		
13	MR 4	M1163.8- 115.6-150	3,000E 3,000E	10E -	90 x	0 -	CDFHJ	-		
14	MR 4	M1163.8- 115.6-150	190,000 50,000	0 -	- -	1 -	CH	-		
15	MR 12	M806.1-33- 15	1,800 0	0 -	- -	7 -	CH	-		
16	MR 4	M1230.5- 169.5-45	300E 210E	0 -	- -	1 -	CH	-		
17	MR 4	M941-10 -	450 0	0 -	- -	7 -	CH	-		
18	MR 4	M1229-50 -	700E 490E	0 -	- -	2* -	CH	-	*Lagoon construction to be completed in 1956.	
19	MR 6	J83-23 -	840 840	0 -	- -	0 -	CH	-		
20	MR 6	- -	1,000E 200E	- -	- -	7 -	CFH	-		
21	MR 6	- -	1,460E 910E	- -	- -	2 -	CFH	-		
22	CH 7	BS278-4 -	8,300E 2,000E	5 -	60 1	2* -	ACDFHI	-	*New plant with provision made for installing	Gm,Sc,E and flow metering equipment.
23	MR 7	- -	600E 400E	- -	- -	2 -	CH	-		
24	MR 4	M1253.6- 209-17	370E 260E	5 -	90 2E	2 -	CH	-		
25	MR 4	M940-30 -	975 0	0 -	- -	7 -	CH	-		
26	MR 12	M806.1-70- 36	650 450	0 -	- -	2 -	C	-		
27	MR 7	BS127.1 -	2,500 0	0 -	30 20	7 -	CFHJ	-		
28	MR 6	J188-37 -	400E 280E	0 -	- -	2 -	CDFH	-		
29	MR 7	BS335 -	1,050 0	0 -	30 20	7 -	CDFH	-		
30	MR 12	M806.1-40 -	1,000E 150E	0 -	- -	7 -	CH	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE SOUTH DAKOTA
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
CHAMBERLAIN		1,912 -	2,000 -	S -	0.15E -	3.35 0.273	CmDchmrBo -	Missouri River -	1
CHAMBERLAIN	St. Joseph's Indian School	- 300-6	300 -	S -	.015E -	x x	Cs -	Missouri River -	2
CLARK		1,471 -	1,400 -	S -	.080E -	1.50 0.120	CmFtrCpDcpBo -	Foster Creek -	3
CLEAR LAKE		1,105 -	1,100 -	S -	0.45E -	1.2 -	Lo -	Hidewood Creek -	4
COLMAN		509 -	450 -	S -	.027E -	0.8 0.060	CiBo -	Bachelor Creek -	5
CRESBARD		235 -	150 -	S -	0.01E -	- -	None -	W.Br. Snake Cr. to James River	6
CUSTER		2,017 -	3,500 -	CS -	.180E -	3.5 0.23	ScCmFtrCmEgDcghmrBo Ls	French Creek -	7
DEADWOOD		3,288 -	4,100 -	S -	0.33E -	- -	None -	Whitewood Cr. to Belle Fourche R.	8
DELL RAPIDS		1,650 -	1,635 -	CS -	0.1 -	2.10 0.15	ShCiFtnCpBo -	Big Sioux River -	9
DE SMET		1,180 -	1,000 -	CS -	0.07 -	1.0 0.07	CiBo -	Silver Lake (Landlocked)	10
DE SMET	De Smet Rendering Co.	10E -	- -	20 P	0.09E x	- 0.12	CiBo -	Silver Lake (Landlocked)	11
DIMOCK	Dimock Dairy Products	3E -	- -	20 L	x x	x x	Cs -	South Fork Twelve Mile Creek	12
DOLAND		535 -	500 -	SC -	.033E -	- -	None -	Thunder Creek -	13
DUPREE		438 -	400 -	S -	0.03 -	0.6 0.072	CiFtrCpLs -	Elm Creek -	14
EAGLE BUTTE		375 -	800 -	S -	0.05 -	0.84 -	Lo* -	Lagoon -	15
EDEN		149 -	100 -	S -	.007E -	0.25 0.02	ShCiBo -	Landlocked Slough -	16
EDGEMONT		1,158 1,800-5	1,700 -	S -	0.12E -	- -	None -	Cheyenne River -	17
ELK POINT		1,367 -	1,350 -	S -	0.1 -	- -	None -	Missouri River -	18
ELKTON		657 -	600 -	S -	0.04E -	0.9 0.067	CiBo -	Spring Creek -	19
EMERY		480 -	450 -	S -	0.03E -	0.4 0.03	CiBo -	Wolf Creek -	20
ESTELLINE		760 -	700 -	S -	0.05 -	0.60 0.066	CiBo -	Big Sioux River -	21
ETHAN	Ethan Dairy Products	3E -	- -	20 L	x x	x x	Cs -	Small creek -	22
EUREKA		1,576 -	1,500 -	S -	0.10E -	- -	Lo* -	Oster Lake (Landlocked)	23
FAITH		599 -	575 -	CS -	0.04 -	0.60 0.04	CiFtnBo -	Small creek to Durkee Lake	24
FAULKTON		837 -	800 -	S -	0.05E -	- -	None -	Nixon River -	25
FLANDREAU		2,193 -	2,500 -	S -	0.18 -	3.10 0.2	ShCpFtrCpDrBo -	Big Sioux River -	26
FLANDREAU	Indian School	- 600-5	600 -	S -	.035E -	0.75 0.072	ShCiFtrCpBo -	Big Sioux River -	27
FORT PIERRE		951 1,100-5	1,000 -	S -	0.07 -	- -	None -	Missouri River -	28
FRANKFORT		331 -	300 -	C -	.019E -	- -	None -	Creek to James River	29
FREDERICK		408 -	400 -	C -	.025E -	- -	None -	Maple River -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	2 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE: PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 4	M1012.9 -	2,200E 1,430E	* -	- -	7 -	** -	*Discharge fo Upper Ft. Randall Res.**ABCDEFHIJ	
2	MR 4	M1012.9 -	300E 200E	* -	- -	0 -	** -	*Discharge to upper Ft. Randall Res.**ABCDEFHIJ	
3	MR 6	J248-47 -	2,170E 435E	0 -	- -	7 -	CH -		
4	MR 7	BS309-30 -	1,100E 0	0 -	- -	7 -	CH -		
5	MR 7	BS215-20 -	600E 400E	0 -	- -	2 -	CH -		
6	MR 6	J300-10-20-25	150E 150E	0 -	- -	0 -	CH -		
7	MR 4	M1163.8-195-55	3,500E 350E	5 -	30 x	7 -	CFHIJ -		
8	MR 4	* -	4,100E 4,100E	5E -	x x	0 -	L -	*M1163.8-115.6-110-35	
9	MR 7	BS195.5 -	1,635E 300E	0 -	30 20	7 -	CDFH -		
10	MR 12	- -	1,000E 700E	- -	- -	2 -	H -		
11	MR 12	- -	1,500E 1,000E	- -	- -	7 -	CH -		
12	MR 6	J97-4-13 -	280E 280E	0 -	- -	4 -	C -		
13	MR 6	J248-36 -	500E 500E	0 -	- -	0 -	cH -		
14	MR 4	M1230.5-130-11-8	400E 60E	0 -	- -	7 -	CH -		
15	MR 4	- -	800 0	- -	- -	7 -	CH -	*New system & lagoon to be completed summer '56.	
16	MR 6	- -	100E 70E	- -	- -	7 -	CH -		
17	MR 4	M1163.8-285.2	1,700E 1,700E	4 -	90 5	0 -	BCDFHIJ -		
18	MR 12	M790.1 -	1,350E 1,350E	x -	x x	0 -	BCDEFH -		
19	MR 7	BS252-19 -	600E 400E	0 -	- -	2 -	CH -		
20	MR 6	J83-32 -	450E 360E	0 -	- -	2 -	CH -		
21	MR 7	BS307-0.5 -	800E 550E	0 -	30 20	2 -	CDFH -		
22	MR 6	J97-20 -	190E 190E	0 -	- -	4 -	CF -		
23	MR 4	- -	1,500E 0	- -	- -	7 -	CH -	*Natural lagoon (Oster Lake)	
24	MR 4	- -	575E 100E	0 -	- -	2 -	ACDFHJ -		
25	MR 6	J300-10-65 -	800E 800E	0 -	- -	0 -	CDFH -		
26	MR 7	BS234.4 -	2,500E 400E	0 -	30 20	7 -	CDFH -		
27	MR 7	BS234 -	600E 100E	0 -	30 20	7 -	CDFH -		
28	MR 4	M1116.4 -	1,000E 1,000E	x -	x x	0 -	* -	*ABCDEFHIJ	
29	MR 6	J280-3 -	300E 300E	0 -	- -	0 -	ACFH -		
30	MR 6	J429-45-5 -	400E 400E	0 -	- -	0 -	ACH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH LAKOTA	1957	3 of 7

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES: Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES: Treatment 7	TREATMENT FACILITIES: Discharge to 8	LINE No.
FREEMAN		944 -	925 -	S -	0.06E -	1.2 0.1	CIBcLo -	Turkey Ridge Creek	1
GARRETSON		745 -	700 -	S -	0.05 -	- -	None -	Split Rock Cr. to Big Sioux River	2
GARY		558 -	600* -	S -	.035E -	0.60 0.039	CiBo -	Laughing Water Creek	3
GEDDES		502 -	600 -	C -	0.04 -	x -	Lo* -	Pease Creek -	4
GETTYSBURG		1,555 -	1,500 -	S -	0.1 -	2.0 -	Lo -	Okobojo Creek -	5
GETTYSBURG	Air Force Weather Station	- 75-6	75 -	S -	0.01E -	0.1 -	Lo -	Okobojo Creek -	6
GREGORY		1,375 -	1,300 -	S -	0.08	x x	CII Bo -	Land* -	7
GROTON		1,084 -	1,060 -	C -	0.07E -	- -	None -	Mud Creek -	8
HARTFORD		592 -	500 -	S -	0.03E -	0.6 0.036	CiFtrCpBo -	Skunk Creek -	9
HAYTI		413 -	400 -	S -	0.03 -	0.5 -	Lo -	Wasteway from Marsh Lake	10
HERREID		633 -	600 -	S -	.024E -	0.80 0.072	CiBo -	Spring Creek -	11
HIGHMORE		1,158 -	1,200 -	CS -	0.08 -	- -	None -	Turtle Creek -	12
HILL CITY		361 -	350-W 700-S	S -	* -	0.70 0.05	ShCimFtrCmBo -	Spring Creek -	13
HILL CITY	Lithium Corp. of America*	30 -	- -	10 A	0.12 -	- 0.12	C(Sand Separation Cones)Lp(Multiple)	Spring Creek -	14
HOSMER		533 -	450 -	S -	0.03 -	0.80 0.06	CiBo -	Landlocked Slough -	15
HOT SPRINGS		5,030 -	5,000 -	S -	0.50 -	8.0 1.0	GmScCmFtlhCmDchmrBo -	Fall River -	16
HOVEN		552 -	500 -	S -	0.03E -	0.8 0.060	CiFtrCpBo -	Okobojo Creek -	17
HOWARD		1,251 -	1,100 -	S -	0.08E -	x x	CiBo -	West Fork Vermillion River	18
HUDSON		500 -	450 -	S -	0.03 -	- -	None -	Big Sioux River -	19
HUMBOLDT		450 -	400 -	S -	0.03E -	0.45 0.035	CiFtrCpBo -	Skunk Creek -	20
HURLEY		474 -	500 -	S -	.035E -	0.60 0.024	CiBo -	Small creek to Vermillion River	21
HURON		12,788 -	12,000 -	S -	2.5E -	37.5 3.0	Gm(KmxCm)FtnCm DcgmrheBoLs	James River -	22
IGLOO	Black Hills Ordnance Depot	- x	x -	S -	x -	x x	SrCmOmEchDhgmBo -	Cottonwood Creek -	23
IPSWICH		1,058 -	945 -	S -	.060E -	1.5 0.108	CiFtrCpBo -	Small creek to Nixon River	24
IRENE		374 -	350 -	S -	.025E -	0.700 0.056	CiFtrCpBo -	Drainage Ditch #1 to Turkey Creek	25
IROQUOIS		413 -	390 -	S -	.027E -	x x	CiBo -	South Fork Pearl Creek	26
ISABEL		511 -	475 -	S -	0.03E -	0.3 -	Lo -	Red Earth Creek -	27
JAVA		433 -	400 -	S -	.025E -	0.50 0.025	CiBo -	Swan Creek -	28
KADOKA		584 -	*800-S 500-W	S -	0.04E* -	0.8 -	Lo -	Trib. of Willow Cr. to Bad River	29
KEYSTONE	Uranium & Allied Minerals*	10 -	- -	14 -	0.36 -	- 0.36	C(Abandoned Mine Stope)	Battle Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	3 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE: PRESENT 15	DOWNSTREAM WATER USE: FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 12	M806.1-38- 34	1,200E 0	0 -	- -	7 -	CFH	-		
2	MR 7	BS154-25 -	700E 700E	0 -	- -	0 -	CDFHIJ	-		
3	UM 4	x -	600E 400E	1 -	x x	2 -	CH	-	*Includes State School for Blind.	
4	MR 4	M934-12 -	600 0	0 -	- -	1 -	CH	-	*2 abandoned sandpits, non-overflowing but of	insufficient size.
5	MR 4	M1138-60 -	1,500 0	0 -	- -	7 -	CH	-		
6	MR 4	M1138-60 -	75E 0	0 -	- -	7 -	CH	-		
7	MR 5	- -	1,300E 1,000E	- -	- -	2 -	CH	-	*Effluent to landlocked area owned by city.	
8	MR 6	J338-36 -	1,800E 1.800E	0 -	- -	0 -	CH	-		
9	MR 7	BS161.2-10 -	500 75	0 -	- -	7 -	CH	-		
10	MR 7	x -	400 0	0 -	- -	7 -	CFH	-		
11	MR 4	M1284-18 -	600E 400E	0 -	- -	7 -	CH	-		
12	MR 6	J292-120 -	1,200E 1.200E	0 -	- -	0 -	CH	-		
13	MR 4	M1163.8- 170.7-60	** -	0 -	20 5	7 -	CFHIJ	-	*0.025E - Winter 0.05E - Summer	**Untr. Waste 350-W; 700-S. Disch. Waste 90-W; 180-S.
14	MR 4	M1163.8- 170.7-58	Inorganic Waste	0 -	20 5	7	CFHJ	-	*Plant not presently operating.	
15	MR 4	- -	500E 350E	0 -	- -	7 -	CH	-		
16	MR 4	M1163.8- 236-6	5,000 450	4 -	1 *	7 -	CDFHIJ	-	*Min flow of record, 1937-1950	
17	MR 4	M1138-100 -	500E 75E	0 -	- -	7 -	CH	-		
18	MR 12	M806.1-70- 66	1,100E 800E	0 -	- -	2 -	CH	-		
19	MR 7	BS93.7 -	450E 450E	5 -	30 20	0 -	CFH	-		
20	MR 7	BS161.2-20 -	400E 90E	0 -	- -	2* -	CFH	-	*Secondary section inadequate.	
21	MR 12	M806.1-55- 5	500E 350E	0 -	- -	2 -	CH	-		
22	MR 6	J222 -	*42,700 **8,600	0 -	- -	1 -	CDFH	-	*81,000;**16,400 in Fall and early Winter	
23	MR 4	x -	x x	0 -	- -	7 -	CH	-		
24	MR 6	J300-90 -	945E 140E	0 -	- -	7 -	CH	-		
25	MR 12	M806.1-6- 17-10-3	350E 60E	0 -	- -	7 -	CH	-		
26	MR 6	J212-5-27 -	390E 310E	0 -	- -	2 -	CH	-		
27	MR 4	M1230.5- 118.5-25	475E 0	0 -	- -	7 -	CH	-		
28	MR 4	M1229-35 -	400E 280E	0 -	- -	2 -	H	-		
29	MR 4	M1116.4 114.5-20	850E** 0	0 -	- -	7 -	CH	-	*0.04E - Summer. 0.03E - Winter. °Seasonal.	**850E - Summer 550E - Winter
30	MR 4	M1163.8- 187-45	Inorganic Waste	0 -	- -	7 -	CFHIJ	-	*Not presently operating.	

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	4 of 7

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
KIMBALL		952 -	900 -	SC -	0.06 -	1.0 0.05	CiLs -	Smith Creek to Crow Creek	1
LAKE ANDES		1,851 -	1,800 -	S -	0.12E -	2.5 0.15	CiBo -	Lake Andes Creek to Missouri River	2
LAKE NORDEN		373 -	455 -	C -	0.02E -	0.50 0.033	CiBo -	Lake St. John -	3
LAKE PRESTON		957 -	900 -	S -	.065E -	1.0 0.075	CiLs -	Lake Preston -	4
LANGFORD*		456 -	425 -	S -	0.03 -	0.53 -	Lo* -	Tributary to Mud Creek	5
LEAD		6,422 -	1,900 -	S -	0.14E -	x x	CsCiBo -	Whitewood Cr. to Belle Forche R.	6
LEAD	- -	- -	4,700 -	S -	0.33E -	- -	None -	Whitewood Cr. to Belle Fourche R.	7
LEAD	Homestake Gold Mine	x -	- -	10 x	x x	- -	None -	Whitewood Creek -	8
LEMMON		2,760 -	2,600 -	C -	0.18E -	3.0 -	Lo -	Small creek to Cedar Creek	9
LENNOX		1,218 -	1,200 -	S -	0.08E -	1.0 0.05	CiFsBo -	Saddle Creek -	10
LEOLA		772 -	750 -	S -	0.05E -	x x	CiBo -	Foot Creek -	11
LESTERVILLE		192 -	50 -	C -	0.003 -	- -	None -	Beaver Creek to James River	12
McINTOSH		628 -	600 -	S -	.035E -	x x	CiBo -	White Shirt Creek -	13
McLAUGHLIN		713 -	650 -	C -	0.035 -	0.70 0.035	Ci Ls -	Oak Creek -	14
MADISON		5,153 -	5,000 -	S -	1.0 -	9.6 1.25	[Oam]*ShScGmCmFthCm DchmH EcgBoLs	Silver Creek to Lake Madison	15
MARION		794 -	800 -	S -	0.06E -	0.80 0.06	CiBo -	Small creek to Vermillion River	16
MARTIN		989 -	750 -	S -	0.03 -	1.5 0.185	ScAaCpDcgmhrBo -	Bear in the Lodge Creek to White R.	17
MENNO		868 -	825 -	S -	0.06E -	x x	CiFtnBo -	Furlongs Creek -	18
MIDLAND		387 -	250 -	S -	0.02 -	0.35 0.05	ShCiBo -	Bad River -	19
MILBANK		2,982 -	2,500 -	S -	0.170 -	3.50 0.24	ScCmFtrCmEcgDcghmBo -	S.Br.Whetstone R. to Minnesota R.	20
MILLER		1,916 -	1,800 -	C -	0.10 -	2.1 0.18	ShCiFtnCpEcgBo -	Small creek to Turtle Creek	21
MITCHELL		12,123 -	12,000 -	S -	1.3 -	15.0 0.75	ShCmAamCmDeghrBo -	James River -	22
MITCHELL	Mitchell Packing Co.	4 -	- -	20 F	x -	- -	None -	Small Creek* -	23
MITCHELL	Mylan Meat Co.	3 -	- -	20 F	x x	- -	None -	Small creek -	24
MOBRIDGE		3,753 -	3,000 -	S -	0.27 -	- -	None -	Missouri River -	25
MT. VERNON		387 -	380 -	S -	.025E -	- -	None -	Firesteel Creek -	26
MURDO		739 -	730 -	S -	0.048 -	0.913 -	Lo -	Dry Draw to White River	27
NEW EFFINGTON		367 -	200 -	S -	0.01 -	0.4 -	Lo -	Lagoon -	28
NEWELL		784 -	750 -	S -	0.04E -	x x	Cs -	Deadman Creek to Belle Fourche R.	29
NISLAND		216 -	210 -	S -	.015E -	0.4 0.03	CiBo -	Belle Fourche River	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	4 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 4	M1025-7-35 -	900E 650E	0 -	- -	2 -	CH -		
2	MR 4	M925-8 -	2,000E 1,400E	0 -	- -	7 -	CHJ -		
3	MR 7	- -	455E 400E	- -	- -	2 -	CFHE -		
4	MR 7	- -	900E 630E	- -	- -	2 -	CFH -		
5	MR 6	J338-60-3 -	425 0	0 -	- -	7 -	CH -	*New system & lagoon - contract awarded late	summer 1956.
6	MR 4	* -	1,900E 1.300E	5E -	x x	4 -	L -	*M1163.8-115.6-110-40	
7	MR 4	* -	4,700E 4.700E	5E -	x x	0 -	L -	*M1163.8-115.6-110-40	
8	MR 4	* -	- -	x -	x x	7 -	L -	*M1163.8-115.6-110-40	
9	MR 3	M1333.4-75.4-95	2,600E 0	0 -	- -	7 -	CH -		
10	MR 12	M806.1-46-14	1,200E 200E	0 -	- -	4 -	CH -		
11	MR 6	J378-43-67 -	750E 700E	0 -	- -	4 -	CH -		
12	MR 6	J15-20 -	50E 50E	0 -	- -	0* -	C -	*Treatment necessary if coll. system is expanded.	
13	MR 4	M1253.6-79.5-15	600E 400E	0 -	- -	2 -	CH -		
14	MR 4	M1255-35 -	650E 450E	0 -	- -	2 -	CFH -		
15	MR 7	BS183-63-1-10-1	8,000E 800E	2 -	30 2	7 -	CHJ -	*Industrial Waste Pre-treatment	
16	MR 12	M806.1-70-14	800E 490E	0 -	- -	2 -	CH -		
17	MR 4	M999.9-262 75	750E 150E	0 -	- -	7 -	CH -		
18	MR 6	J25-6 -	1,275E 600E	0 -	- -	2 -	CFH -		
19	MR 4	M1116.4-90 -	250E 175E	0 -	- -	7 -	CFH -		
20	UM 4	x -	3,200 320	0 -	- -	7 -	CFJ -		
21	MR 6	J292-95 -	2,500E 375E	0 -	- -	7 -	CH -		
22	MR 6	J138 -	37,000 18,500	0 -	60E 2E	2 -	CDFHJ -		
23	MR 6	J137-1 -	2,290E 2,290E	0 -	- -	0 -	CDFHJ -	*Retained on property.	
24	MR 6	J137-2 -	835E 835E	0 -	- -	0 -	CDFHJ -		
25	MR 4	M1250.6 -	3,500 3,500	* -	x x	0 -	** -	*Discharge into what will be Oahe Res.**ABCDEFHIJ	
26	MR 6	J131-60 -	380E 380E	0 -	- -	0 -	ACDFHIJ -		
27	MR 4	M999.9-120-20	750E 0	0 -	- -	7 -	CH -		
28	UM 1	- -	200 0	- -	- -	7 -	- -		
29	MR 4	* -	750E 600E	0 -	- -	4 -	CH -	*M1163.8-115.6-98-12	
30	MR 4	M1163.8-115.6-120	210E 150E	5 -	60 x	7 -	CFH -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	5 of 7

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	Treatment	Discharge to	LINE No.
1		2	3	4	5	6	7	8	
ONIDA		822 -	750 -	S -	0.05 -	0.60 0.045	CiBo -	Landlocked Slough	1
ORIENT		206 -	200 -	S -	.013E -	- -	None -	Draw to Cottonwood Lake	2
PARKER		1,148 -	1,100 -	S -	0.08E -	1.225 0.035	CiFtrCpBo -	West Fork Vermillion River	3
PARKSTON		1,354 -	1,330 -	S -	0.10E -	x x	Ci -	Pony Creek -	4
PHILIP		810 -	750 -	S -	0.05E -	0.8 -	Lo -	Bad River -	5
PICKSTOWN		2,217 400-6	400 -	S -	0.025 -	- -	None -	Missouri River -	6
PIERPONT		326 -	250 -	S -	.018E -	0.5 .0375	CiBo -	Mud Creek -	7
PIERRE		5,715 -	6,000 -	SC -	0.4 -	- -	None -	Missouri River -	8
PIERRE	Indian School	- 500-5	500 -	S -	.025E -	0.5 -	Lo -	Missouri River -	9
PIERRE	Oahe Reservoir Admin. Unit	- 100-6	100 -	S -	.003E -	0.1 -	Lo -	Missouri River -	10
PINE RIDGE	Indian Agency	- 1,000-5	1,000 -	S -	0.06E -	1.025 0.13	ShCiFtrCpFsBo -	Clay Creek -	11
PLANKINTON		754 -	735 -	C -	0.05E -	0.90 0.075	CiBo -	Draw to Enemy Creek	12
PLANKINTON	State Training School	- 200-5	200 -	S -	0.01E -	0.250 0.03	ShCiFtrCpBo -	Draw to Enemy Creek	13
PLATTE		1,069 -	1,000 -	S -	0.08E -	1.5 0.12	CiFtrCpBo -	Tributary to Platte River	14
POLLOCK		395 -	375 -	S -	0.025 -	0.45 -	Lo -	Spring Creek -	15
PRESHO		712 -	650 -	S -	0.05E -	x x	Ci -	Medicine Creek -	16
PUKWANA		302 -	250 -	S -	.018E -	0.5 .0375	CiFtrCpEcgBo -	American Creek -	17
RAPID CITY		25,310 35,000-5	34,000 -	S -	4.0 -	45.0 6.0	ScGmCmFtrCmEcg DcgmhrtBoLs	Rapid Creek -	18
RAPID CITY	Rapid City Air Force Base	- 10,000-6	x -	S -	0.75 -	x x	ScCmFtrCmEcgDcgmhrBo -	Box Elder Creek -	19
REDFIELD		2,655 -	2,600 -	C -	0.23E -	3.0 -	Lo -	Turtle Creek -	20
REDFIELD	Jergies Custom Butchering	3 -	- -	20 E	x x	- -	Is -	Sub-surface -	21
REDFIELD	State Home & School for Feeble Minded	- 1,150-6	1,150 -	C -	0.06E -	1.0 0.10	SmCiFtnCpBo -	Turtle Creek -	22
ROSCOE		726 -	500 -	S -	.035E -	0.8 0.060	CiLs -	Nixon River to James River	23
ROSEBUD	Indian Agency	- 350-5	350 -	S -	0.02E -	0.35 0.058	ShCiFtrCpFsB -	Rosebud Creek to Little White R.	24
ROSHOLT		387 -	300 -	S -	0.02E -	0.5 .0375	CiBo -	Cottonwood Slough -	25
ROSLYN		222 -	175 -	S -	.012E -	0.50 0.030	CiBo -	Mud Creek -	26
ST. LAWRENCE		261 -	200 -	S -	.015E -	x x	Ci -	Turtle Creek -	27
SALEM		1,119 -	1,100 -	S -	0.08E -	x x	CiFsBo -	Snake Creek -	28
SANATOR	State T.B. Hospital	- 300-5	300 -	S -	0.02E -	0.40 0.08	ShCmFtrCpEgDrBo -	Ditch to Beaver Cr. to Cheyenne R	29
SCOTLAND		1,188 -	1,225 -	S -	0.08 -	x x	CiFtnEgBo -	Dawson Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	5 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN 9	WATER-COURSE MILEAGE 10	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 11	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS 12	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years) 13	POLLUTION ABATEMENT NEEDS 14	DOWNSTREAM WATER USE PRESENT FUTURE 15	REMARKS 16	ADDITIONAL COMMENTS 17
1	MR 4	- -	750E 525E	0 -	- -	2 -	CH -		
2	MR 6	- -	200E 200E	0 -	- -	0 -	CH -		
3	MR 12	M806.1-70-4	1,200E 200E	0 -	- -	7 -	CH -		
4	MR 6	J100-2-16 -	2,345E 1,520E	0 -	- -	4 -	CH -		
5	MR 4	M1116.4-127	750E 0	0 -	- -	7 -	CFH -		
6	MR 4	M921 -	400E 400E	x -	x x	0 -	* -	*ABCDEFHIJ	
7	MR 6	J338-48 -	250E 175E	0 -	- -	7 -	CFH -		
8	MR 4	M1117.5 -	6,200E 6,200E	x -	x x	0 -	* -	*ABCDEFHIJ	
9	MR 4	M1115.0 -	500 0	x -	x x	7 -	* -	*ABCDEFHIJ	
10	MR 4	M1117.5 -	100E 0	x -	x x	7 -	* -	*ABCDEFHIJ	
11	MR 4	M999.9-384-23	1,000E 100E	0 -	- -	7 -	ACHJ -		
12	MR 6	J131-67 -	735E 475E	0 -	- -	2 -	CH -		
13	MR 6	J131-66 -	300E 45E	0 -	- -	7 -	CH -		
14	MR 4	M956-15 -	1,000E 200E	0 -	- -	7 -	CH -		
15	MR 4	M1284-10 -	375 0	x -	x x	7 -	* -	*ABCDEFHIJ	
16	MR 4	M1067-50 -	650E 500E	0 -	- -	2 -	CH -		
17	MR 4	M1012.9-30 -	250E 40E	0 -	- -	7 -	CFH -		
18	MR 4	M1163.8-166.2-43.3	35,600 3,000	7 -	90 x	7 -	CDFHJ -		
19	MR 4	M1163.8-152.2-32	10,000E 1.500E	0 -	- -	7 -	CFH -		
20	MR 6	J292-2 -	3,200 0	0 -	- -	7 -	CfH -		
21	MR 6	- -	90 0	- -	- -	7 -	- -		
22	MR 6	J292-2 -	1,150E 300E	0 -	- -	4 -	CDFH -		
23	MR 6	J300-10-20-80	500E 350E	0 -	- -	7 -	CH -		
24	MR 4	M999.9-123-40.8-4	350E 50E	0 -	- -	5 -	CH -		
25	UM 1	R394-32-4 -	300E 220E	0 -	- -	7 -	CH -		
26	MR 6	J338-60 -	175 120	0 -	- -	7 -	CH -		
27	MR 6	J292-90 -	200E 150E	0 -	- -	2 -	CH -		
28	MR 12	M806.1-70-43	1,100E 500E	0 -	- -	2 -	CH -		
29	MR 4	M1163.8-225-45	300E 40E	0 -	- -	7 -	CH -		
30	MR 6	J33-6 -	3,415E 1.350E	0 -	- -	2 -	CFHIJ -		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE SOUTH DAKOTA | YEAR 1957 | PAGE 6 of 7

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY 1		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES 2	ESTIMATED POPULATION SERVED 3	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS. 4	AVERAGE DAILY FLOW MGD 5	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD 6	TREATMENT FACILITIES Treatment 7	TREATMENT FACILITIES Discharge to 8	LINE No.
SELBY		706 -	650 -	S -	0.05E -	0.9 0.054	CiBo -	Swan Creek -	1
SIOUX FALLS		52,696 -	50,000 -	S -	8.5 -	50* 10*	*[SmGmCmAsCmTmoSfVc] **[OaCmFoCmFthCm]*	Big Sioux River -	2
SIOUX FALLS	Greenlee Packing Co.	20 -	- -	20 E	0.025 -	1.0 0.025	0 CiLo -	Ditch to Big Sioux River	3
SIOUX FALLS	Sioux Falls Serum Co. - Hog Farm	6 -	- -	20 R	x -	2.5 0.025	Lo -	Big Sioux River -	4
SIOUX FALLS	Sioux Falls Rendering Co.	20 -	- -	20 P	0.2 -	x x	0 C Ftr -	Big Sioux River -	5
SISSETON		2,871 -	2,800 -	S -	0.13E -	2.7 -	Lo -	Little Minnesota River	6
SPEARFISH		2,755 -	2,500 -	S -	0.18E -	3.0 0.175	CiFtrCpBo -	Spearfish Creek -	7
SPEARFISH	Brodsky Meat Processing Co.	8 -	- -	20 E	.005E -	- -	Lo -	Spearfish Creek -	8
SPENCER		552 -	500 -	S -	0.04 -	0.74 0.06	CiFtrCpBo -	Wolf Creek -	9
SPRINGFIELD		801 -	750 -	C -	0.08 -	- -	None -	Missouri River -	10
STICKNEY		388 -	350 -	S -	.025E -	0.6 0.108	CiFtrCpBo -	Landlocked Slough -	11
STURGIS		3,471 -	4,500 -	S -	0.35E -	5.0 0.5	ScShCmFtrCmDchmrBo -	Bear Butte Creek -	12
TABOR		373 -	350 -	S -	0.02E -	0.5 -	Lo -	Beaver Creek -	13
TIMBER LAKE		552 -	525 -	S -	0.04E -	x x	CiBo -	Timber Lake -	14
TRIPP		913 -	900 -	S -	0.06E -	1.30 0.045	CiK FtrBo -	Emanuel Creek -	15
TYNDALL		1,292 -	1,100 -	S -	0.08E -	x x	Ci -	Small creek to Snatch Creek	16
VALLEY SPRINGS		389 -	375 -	S -	0.02E -	0.5 -	Lo -	Beaver Creek to Big Sioux River	17
VEBLEN		476 -	400 -	S -	0.05* -	0.5 -	CiBoLo -	Lagoon -	18
VERMILLION		5,337 -	5,000 -	C -	0.4E -	- -	None -	Vermillion River -	19
VIBORG		644 -	600 -	S -	0.04E -	1.10 0.08	CiFtrCpBo -	Frog Creek to Vermillion River	20
VOLGA		578 -	580 -	S -	.045E -	0.8 0.075	CiFtrCpBo -	Big Sioux River -	21
WAGNER		1,528 -	1,400 -	S -	0.10E -	x x	CiBo -	Choteau Creek -	22
WAKONDA		454 -	200 -	C -	0.01E -	- -	None -	Tributary to Vermillion Creek	23
WALL		556 -	500-W 1,000-S	S -	0.07E -	1.0 -	Lo -	Lagoon -	24
WATERTOWN		12,699 -	10,245 -	S -	1.1 -	25.0 2.0	ShCmFtrCmDcmghrBo -	Big Sioux River -	25
WATERTOWN	Abattoir	10E -	- -	20 E	x x	x x	C -	Big Sioux River -	26
WATERTOWN	Rendering Works	4E -	- -	20 P	x x	x x	Ftr -	Pelican Lake -	27
WAUBAY		879 -	600 -	S -	0.04E -	0.80 0.08	CiBo -	Slough to Bitter Lake	28
WEBSTER		2,503 -	2,500 -	S -	0.14E -	2.5 0.14	CiFtrCpBo -	Waubay Lake -	29
WESSINGTON		467 -	450 -	C -	0.03E -	x -	Lo -	Cain Creek -	30

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE	YEAR	PAGE
SOUTH DAKOTA	1957	6 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN (9)	WATER-COURSE MILEAGE (10)	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE (11)	STREAM FLOW FOR DESIGN: MINIMUM FLOW CFS (12)	STREAM FLOW FOR DESIGN: Duration (Days) Frequency (Years) (13)	POLLUTION ABATEMENT NEEDS (14)	DOWNSTREAM WATER USE: PRESENT FUTURE (15)	REMARKS (16)	ADDITIONAL COMMENTS (17)
1	MR	M1229-28	650E	0	-	2	CH		
	4	-	400E	-	-		-		
2	MR	BS161	325,000	0	30	1	CDFHJ	*Tr.cont. DcehmrsLs	**Industrial waste plant. Both plants
	7	-	13,500	-	20	-	-	*Domestic waste plant.	use same digesters and sludge lagoons
3	MR	BS161 0.5	800	0	-	7	CDFHJ		
	7	-	0	-	-	-	-		
4	MR	BS160	2,500E	5	30	7	CDFH		
	7	-	0	-	x	-	-		
5	MR	BS155	x	5	30	2	CfH		
	7	-	750E	-	x	-	-		
6	UM	x	2,800E	0	-	7	CFH		
	4	-	0	-	-	-	-		
7	MR	*	2,500	10E	7	5	BCDFHJ	*M1163.8-115.6-148.2-	
	4	-	600	-	x	-	-	9.7-9.7	
8	MR	*	150	-	-	7	BCDFH	*M1163.8-115.6-148.2-	
	4	-	0	-	-	-	-	9.7-9.7	
9	MR	J83-47	500E	0	-	7	CH		
	6	-	125E	-	-	-	-		
10	MR	M873.3	750E	x	x	0	*	*ABCDEFHIJ	
	12	-	750E	-	x	-	-		
11	MR	-	350E	0	-	7	CH		
	6	-	35E	-	-	-	-		
12	MR	*	4,500E	0	-	1	CDH	*M1163.8-115.6-80-27	
	4	-	630	-	-	-	-		
13	MR	Mx	350	0	-	7	CH		
	12	-	0	-	-	-	-		
14	MR	-	525E	-	-	4	CHJ		
	4	-	450E	-	-	-	-		
15	MR	M873.3-45	900E	0	-	5	CH		
	12	-	400E	-	-	-	-		
16	MR	M873.3-23	1,100E	0	-	4	CH		
	12	-	950E	-	-	-	-		
17	MR	BS154-10	375E	0	-	7	CH		
	7	-	0	-	-	-	-		
18	UM	-	500E	-	-	7	-	*High volume caused	
	1	-	0	-	-	-	-	by infiltration.	
19	MR	M806.1-5	5,300E	0	-	0	ABCDEFHJ		
	12	-	5,300E	-	-	-	-		
20	MR	M806.1-38-	800E	0	-	5*	CH	*Including minor alter-	
	12	9	175E	-	-	-	-	ations and improvements.	
21	MR	BS314	800	5	30	7	CDFHJ		
	7	-	150	-	x	-	-		
22	MR	M897-30	1,400E	0	-	2	CFHJ		
	4	-	800E	-	-	-	-		
23	MR	M806.1-28-	200	0	-	0	CH		
	12	8	200	-	-	-	-		
24	MR	-	*	-	-	7	-	*500E - Winter.	
	4	-	0	-	-	-	-	1,000E - Summer.	
25	MR	BS362.8	29,245	0	-	1	CfH		
	7	-	4,770	-	-	-	-		
26	MR	BS362	2,000E	0	-	2	CfH		
	7	-	1.700E	-	-	-	-		
27	MR	-	600E	-	-	7	CfH		
	7	-	200E	-	-	-	-		
28	MR	-	600E	0	-	7	CH		
	7	-	420E	-	-	-	-		
29	MR	-	2,500E	-	-	1	CFH		
	7	-	1,600E	-	-	-	-		
30	MR	J214-63	565E	0	-	4	CH		
	6	-	100E	-	-	-	-		

INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE SOUTH DAKOTA

YEAR 1957

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION OR INDUSTRY		1950 POPULATION ESTIMATED POPULATION NUMBER OF PLANT EMPLOYEES	ESTIMATED POPULATION SERVED	TYPE SEWER SYSTEM IND. GROUP WASTE CLASS.	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd for P.E. (1000's) Average daily flow MGD	TREATMENT FACILITIES Treatment	TREATMENT FACILITIES Discharge to	LINE No.
1		2	3	4	5	6	7	8	
WESSINGTON SPRINGS		1,453 -	1,450 -	S -	0.1E -	1.20 0.11	CiFtnCpBo -	Small creek to Firesteel Creek	1
WHITE		525 -	500 -	S -	0.03E -	0.60 .0288	CiFtnCpBo -	Six Mile Creek -	2
WHITE LAKE		395 -	400 -	S -	0.03E -	x x	CiFs -	Dry Draw to Platte River	3
WHITE RIVER		465 -	450 -	S -	.025E -	0.5 0.047	Lo -	Little White River	4
WILLOW LAKE		484 -	480 -	S -	.033E -	0.6 0.05	CiBo -	Willow Lake -	5
WILMOT		590 -	500 -	S -	0.04E -	x x	CiBo -	Tributary to Whetstone Creek	6
WINNER		3,252 -	2,800 -	S -	.160E -	3.0 0.288	ShCmFtrCmDchrmBo -	Dog Ear Creek to White River	7
WOLSEY		391 -	350 -	S -	0.02E -	- -	None -	Cain Creek -	8
WOONSOCKET		1,051 -	1,000 -	CS -	0.07E -	- -	None -	Slough to James River	9
YANKTON		7,709 -	7,200 -	S -	1.2 -	- -	None -	Missouri River -	10
YANKTON	Cimpl Packing Company	25 -	- -	20 EF	0.02E -	- -	None -	Missouri River -	11
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INVENTORY OF MUNICIPAL AND INDUSTRIAL WASTE FACILITIES

STATE SOUTH DAKOTA	YEAR 1957	PAGE 7 of 7

LINE No.	DRAINAGE BASIN SUB-BASIN	WATER-COURSE MILEAGE	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	STREAM FLOW FOR DESIGN MINIMUM FLOW CFS	STREAM FLOW FOR DESIGN Duration (Days) Frequency (Years)	POLLUTION ABATEMENT NEEDS	DOWNSTREAM WATER USE PRESENT FUTURE	REMARKS	ADDITIONAL COMMENTS
	9	10	11	12	13	14	15	16	17
1	MR 6	J139-90 -	2,850E 2.150E	0 -	- -	4 -	ACH -		
2	MR 7	BS278-21 -	500E 100E	0 -	- -	7 -	CFH -		
3	MR 4	M956-50 -	400E 200E	0 -	- -	4 -	CHJ -		
4	MR 4	M999.9-123 -20	450 0	x -	x x	7 -	CDHJ -		
5	MR 6	- -	480E 310E	- -	- -	7 -	CFH -		
6	UM 4	x -	600E 500E	0 -	- -	2 -	CFHIJ -		
7	MR 4	M999.9-6[illegible]- 38	3,000E 600E	0 -	- -	2 -	CFH -		
8	MR 6	J214-41 -	350 350	0 -	- -	0 -	CH -		
9	MR 6	J177 -	1,580 1.580	0 -	- -	0 -	CH -		
10	MR 12	M840.4 -	10,000E 10,000E	x -	x x	0 -	ABCDEFHJ -		
11	MR 12	M849.4 -	1,500E 1,500E	x -	x x	0 -	* -	*ABCDEFHIJ	
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